

# The vascular flora of Falmouth (Barnstable County) Massachusetts<sup>1</sup>

Richard H. Backus and Pamela T. Polloni

July 2012

With a few exceptions, the species on this list of Falmouth vascular plants<sup>2</sup> are substantiated by herbarium sheets, most of which are in the MBLWHOI Library Herbarium (SPWH). We invite improvements to the list by the elimination of errors and by the collection of Falmouth species not yet found.

About 880 taxa are listed here, which is about 60% of Barnstable County's 1440 or so as shown by the County Checklist (Cullina et al. 2011). Barnstable County is a geographically diverse place and not all of its vascular plants are to be expected for any one of its towns, but it seems likely that some dozens of the County's 560 taxa not yet recorded for Falmouth are to be found in that place. We hope interested field botanists will endeavor to find these "missing" plants, collecting material so that herbarium sheets can be made for deposit in SPWH and their names added to this list. There are also many plants that have not been collected in Falmouth for many years. Material for herbarium sheets is desired for these taxa as well.



Preparing to collect a herbarium specimen (shown) of *Magnolia acuminata* (L.) L., cucumber-tree, a species recently found naturalizing in the woodland above Oyster Pond, Falmouth, and a new record for both Falmouth and Barnstable County.

<sup>1</sup>This document is the intellectual property of the compilers.

<sup>2</sup>Persistent garden weeds are included.

Since this is at least a semi-public document we have omitted locality details for those orchid species considered rare by Commonwealth authorities. No rare species (Endangered, Threatened, or of Special Concern) should be collected for SPWH unless the population that it is to be taken from is healthy and reasonably large. A collecting permit is required for these species. The latest listing of the Commonwealth's rare plants by the Massachusetts Natural Heritage Program is dated 27 February 2012 ([http://www.mass.gov/dfwele/dfw/nhesp/species\\_info/mesa\\_list/mesa\\_list.htm](http://www.mass.gov/dfwele/dfw/nhesp/species_info/mesa_list/mesa_list.htm)). These designations are also to be found on the County Checklist. "Guidelines for ethical field research on rare plant species" by Elizabeth Farnsworth was published by the New England Wildflower Society in January 2005 (<http://conservation.newfs.org:30/ref/pdfs/resgudos-1.pdf>).

Originally the backbone of this list came from J.M. Fogg's flora of the Elizabeth Islands (Fogg, 1930), the supposition having been that the plants occurring on those islands (which are not a part of Falmouth) would occur also on the adjacent mainland or mostly so. As a Falmouth record for a species becomes evident the reference to Fogg is dropped.

Notice of the Falmouth occurrence of 25 taxa by Svenson and Pyle ("The Flora of Cape Cod", 1975) is accepted and is thought to be based on sheets in the New England Botanical Club herbarium. Such a record is used when no other Falmouth record exists. (Material for such species is desired for SPWH.). The listing of a few aquatic species is based on records (maps) in Crow and Hellquist, 1979-1985. Four records come from the files of the Massachusetts Natural Heritage and Endangered Species Program courtesy of Bruce Sorrie.

We would like to acknowledge the help of members of the Botanical Club of Cape Cod and the Islands especially Donald Schall, Mario DeGregorio, Carol Knox, Jacqueline Webster, Nancy Wigley, Kate Beattie, Betsy Davis, Rich Eldred, and Alison Robb; also Lisa Raymond and Ellen Levy of the WHOI Data Library and Archives, where the MBLWHOI Library Herbarium (SPWH) is located, have been very helpful. We would also like to thank Nancy Stafford and the MBL volunteers Nancy McDonald, Arlene Rogers, Tom Gregg, and Paul Freiheit who are scanning the herbarium sheets for the digital herbarium <http://www.mblwhoilibrary.org/archives/herb>.

The following are given in the order stated for each taxon in the list: (1) the primary name as described above, (2) such a common name or names as please the compilers, (3) the oldest record for Falmouth substantiated by an herbarium specimen, (4) the most recent, or a current, substantiated Falmouth record (extra records may be included temporarily), (5) certain literature records for Falmouth deemed valid (when literature records are cited, "Falmouth" is understood and no locality is given unless more specific than that), and (6) remarks. In a few cases, sight records are given when it was not wished to collect the plant owing to its rarity.

In 3 and 4, there are given (a) herbarium name and number for the specimen, (b) the collector and her or his collection number (in parentheses), (c) the locality (generally in the collector's terms but not usually a quotation), and (d) the date of collection. For the last, years of the 20th century are written without the "19".

Abbreviations used and their meanings are as follows:

acc - according	Mgt - Management
aka - also known as	mi - mile
Ave - Avenue	Msh, msh - Marsh, marsh
BCCCI - Botanical Club of Cape Cod and the Islands	Mtnglse - Meetinghouse
Bch, bch - Beach, beach	N - North, north
bhd - behind	NAI - New Alchemy Institute (now defunct)
bikepath - Shining Sea Bikeway	Nat - National
Bldg - Building	N Eng - New England
bnk - bank	NEBC - New England Botanical Club herbarium
btwn - between	nr - near
ca - about	Pd, pd - Pond, pond
clrng - clearing	Pk - Park
cmtry - cemetery	pkng - parking
Comm - Committee	pnsla - peninsula
crby - cranberry	PO - Post Office
cnr - corner	prob - probably
Crane WMA - Crane Wildlife Management Area	Pt - Point
dr, Dr - drive, Drive	pwrln - powerline
E - East, east	R - River
entr - entrance	Rd, rd - Road, road
ext - extension	rky - rocky
Fal - Falmouth	rr - railroad
Falpt - Falmouthport	Rsvn - Reservation
fld - field	Rt - Route
flwr bdr - (weed in) flower border	S - South, south
fmr - former	sd - side
ft - feet	shr - shore
gdn - garden	ssp - subspecies
grnd - ground	St, st - Street, street
Gt - Great	sta - station
Hbr, hbr - Harbor, harbor	strm - stream
Hrbm, hrbm - Herbarium, herbarium	Swmp, swmp - Swamp, swamp
Hse, hse - House, house	Thos - Thomas
Hts - Heights	unr - under
I, isl - Island	var - variety
incl - including	w - with
jct - junction	W - West, west
K&P - Kenoyer, Leslie A. and Francis W. Pennell	WBNERR - Waquoit Bay National Estuarine Research Reserve
L - Lake	wd - weed
Lab - Laboratory	Wds, wds - Woods, woods
Lt - Light	Wds Hole - Woods Hole
m - meters	WHOI - Woods Hole Oceanographic Institution
Mass Nat Her Prog - Massachusetts Natural Heritage and Endangered Species Program	wtr - water
medo - meadow	yds - yards
MBL - Marine Biological Laboratory	

**LYCOPHYTES****Huperziaceae****Huperzia Bernhardtii**

*H. lucidula* (Michaux) Trevisan, shining clubmoss. SPWH 8255 (RHBP 2133) nr vernal pool off Galleon Rd ca 1200 ft NNW of Deep Pd (Hatchville) 19 Oct 94.

**Isoëtaceae****Isoetes L.**, quillworts

*I. tuckermanii* Braun ex Engelmann in Gray. SPWH 313 (Fogg 703) Fresh Pd 9 Sep 24; SPWH 314 (Moul 6486) Wing Pd 26 Jun 49.

**Lycopodiaceae****Dendrolycopodium Haines**

*D. hickeyi* (Wagner, Beitel and Moran) Haines, Hickey's ground pine. NEBC (E.F. Williams) Jenkins Pd 14 Jul 11; SPWH 8612 (RHBP 1862) bog S of jct Gifford St and Brick Kiln Rd 19 Sep 91.

*D. obscurum* (L.) Haines, ground pine. SPWH 340 (K&P 3260) nr Long Pd 29 Jul 11; SPWH 6986 (RHBP 451) wds nr SE crnr Long Pd 18 Sep 88.

**Diphasiastrum Holub**

*D. digitatum* (Dillenius ex Braun) Holub, crowfoot clubmoss. NEBC (E.F. Williams) Jenkins Pd 14 Jul 11; SPWH 6993 (RHBP 520) S of W end Ter Heun Dr 29 Sep 88.

*D. tristachyum* (Pursh) Holub, ground-cedar. NEBC (Fernald & Bayard Long 17789) 23 Aug 19; SPWH 6984 (RHBP 408) SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.

**Lycopodiella Holub**, bog clubmosses

*L. appressa* (Chapman) Cranfill. SPWH 346 (Kenoyer 3297) Nobska Bog 30 Jul 11; SPWH 8105 (RHBP 1059) bog SE of Bowerman's Bchhse 24 Aug 89.

*L. inundata* (L.) Holub. NEBC (Fernald & Bayard Long 17775) Crooked Pd 23 Aug 19.

**Lycopodium L.**, clubmosses

*L. lagopus* (Laestadius ex Hartman) Zinserling ex Kuzeneva-Prochorova, one-cone clubmoss. SPWH 7287 (RHBP 1133) nr pwrln ca 400 yds NE of junction Sandwich Rd and Hatchville Rds 13 Sep 89.

## MONILOPHYTES

### Aspleniaceae

#### **Asplenium** L.

*A. platyneuron* (L.) Britton, Sterns and Poggenberg, ebony spleenwort. SPWH 319 (S.B. Sipe) Long Pd prob 01; SPWH 7297 (RHBP 702) bouldery slope W of Angel's Mill Pd 23 Jun 89.

*A. trichomanes* L., maidenhair-spleenwort. Crevice in rock-wall, gdn of J.E. Craddock, Sippewisset Rd 21 Aug 2007. Two plants, not planted; not collected, but photo made by P.T. P.

### Blechnaceae

#### **Woodwardia** Smith

*W. areolata* (L.) Moore, net-veined chain-fern. SPWH 6988 (RHBP 516) Sippewisset Maple Swmp 29 Sep 88.

*W. virginica* (L.) Smith, chain-fern. SPWH 352 (S.B. Sipe) Quissett Swmp Aug 00; SPWH 6987 (RHBP 515) Sippewisset Maple Swmp 29 Sep 88.

### Dennstaedtiaceae

#### **Dennstaedtia** Bernhardt

*D. punctilobula* (Michaux) T. Moore, hay-scented fern. NEBC (Fernald & Bayard Long 17751) wds S of Crooked Pd 23 Aug 19; SPWH 6981 (RHBP 395) SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.

#### **Pteridium** Gleditsch ex Scopoli

*P. aquilinum* (L.) Kuhn var *latiusculum* (Desvaux) Underwood ex Heller, bracken. NEBC (W.G. Farlow) Aug 12 "aposporic variant"; SPWH 451 (Moul 74-16) F R Lillie Rd 25 May 74.

### Dryopteridaceae

#### **Dryopteris** Adanson, wood-ferns

*D. carthusiana* (Villars) Fuchs, spinulose wood-fern. SPWH 334 (S.B. Sipe) Fay's Wds prob 00; SPWH 9279 (D. Lubin 28 Bioblitz) W of Coonamesset Pd 41° 37'N, 70° 34'W 26 Jun 2010.

*D. intermedia* (Muhlenberg ex Willdenow) Gray, glandular wood-fern. SPWH 9280 (D. Lubin 29 Bioblitz) W of Coonamesset Pd 41° 37'N, 70° 34'W 26 Jun 2010.

*D. marginalis* (L.) Gray, marginal wood-fern. NEBC (Fernald 17731) "Sippowisset Creek" 5 Oct 19 "abundant on bushy slopes"; SPWH 6991 (RHBP 545) bouldery slope NW side Angel's Mill Pd 31 Dec 88.

*D. x triploidea* Wherry (*carthusiana* x *intermedia*), triploid wood-fern. NEBC (Fernald & Bayard Long 17741) wds S of Crooked Pd 23 Aug 19.

#### **Polystichum** Roth

*P. acrostichoides* (Michaux) Schott, Christmas fern. SPWH 350 (S.B. Sipe) Fay's Wds prob 01; SPWH 6990 (RHBP 544) bouldery slope NW side Angel's Mill Pd 31 Dec 88.

### Equisetaceae

#### **Equisetum** L., horsetails

*E. arvense* L., common horsetail. SPWH 335 (Pennell 3508) rr bnk Wds Hole 8 Aug 11; SPWH 7162 (Buckley 1052) wds N of Wing Pd 12 Aug 89.

## Marsileaceae

**Marsilea** L.

*M. QUADRIFOLIA* L., European water-clover. SPWH 349 (Kenoyer 3296) Nobska Bog 30 Jul 11.

## Onocleaceae

**Matteuccia** Todaro

*M. struthiopteris* (L.) Todaro ssp *pensylvanica* (Willdenow) A. and D. Löve, ostrich-fern. SPWH 354 (S.B. Sipe) Fay's Wds prob 01.

**Onoclea** L.

*O. sensibilis* L., sensitive fern. SPWH 435 (Moul 74-152) Salt Pd Rsvn 28 May 74; SPWH 7509 (RHBP 440) by rd from WHOI's Blake Bldg to School St pkng lot 18 Sep 88.

## Ophioglossaceae

**Botrychium** Swartz, grape-ferns

*B. dissectum* Sprengel. Waquoit Bay NERR 20 Sep 89 (fide Bruce Sorrie); SPWH photo (Buckley) E edge trail nr NE crnr Grassy Pd Ashumet Holly Rsvn 29 Oct 92.

**Ophioglossum** L.

*O. pusillum* Rafinesque, northern adder's-tongue. NEBC (H.K. Svenson, R.J. Eaton 6449) N Fal in kettlehole nr town dump 11 Jun 71. THREATENED. FIND AND DOCUMENT.

## Osmundaceae

**Osmunda** L.

*O. claytoniana* L., interrupted fern. NEBC (Fernald & Bayard Long 17757) 23 Aug 19 "Only 1 clump noted"; SPWH 8248 (RHBP 2148) 300 yds SW jct Sandwich Rd and Rt 151 nr foot of eroding fill by gas stn 19 Jul 98.

*O. regalis* L. var *spectabilis* (Willdenow) Gray, royal fern. SPWH 358 (S.B. Sipe) Fay's Woods prob 00; SPWH 6992 (RHBP 519) Sippewisset Maple Swamp 29 Sep 88.

**Osmundastrum** Presl

*O. cinnamomeum* (L.) Presl, cinnamon fern. SPWH 1348 (Moul 76-125) wds nr Memorial Circle 7 Jun 76. LOOK FOR GLANDULAR KIND.

## Polypodiaceae

**Polypodium** L.

*P. virginianum* L., rock-cap fern. SPWH 325 (S.B. Sipe) "Quisset Swamp" prob 01; SPWH 6989 (RHBP 546) base stone wall 100 yds W of Cumloden Dr on S side Wds Hole Rd 9 Jan 89. The latter stand has been destroyed.

## Thelypteridaceae

**Parathelypteris** Smith

*P. noveboracensis* (L.) Ching, tapering fern. SPWH 331 (S.B. Sipe) Fay's Wds Aug 1901; SPWH 6985 (RHBP 443) E of S end Long Pd 19 Sep 88.

*P. simulata* (Davenport) Holttum, Massachusetts-fern. SPWH 331 (S.B. Sipe) Fay's Wds Aug 01; SPWH 6983 (RHBP 517) Sippewisset Maple Swamp 29 Sep 88.

**Phegopteris** (C. Presl) Fée

*P. connectilis* (Michaux) Watt, northern beech-fern. NEBC (Fernald 17728) "Low thickets at head of Sippowisset Creek" 5 Oct 19.

**Thelypteris** Schmidel

*T. palustris* Schott var *pubescens* (Lawson) Fernald, marsh fern. NEBC (U. L. Foster) Wds Hole Sep 13; SPWH 6982 (RHBP 399) small maple swmp SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.

## Woodsiaceae

**Athyrium** Roth

*A. angustum* (Willdenow) C. Presl, northern lady-fern. SPWH 316 (S.B. Sipe) "common in Fay Woods" prob 01; SPWH 6980 (RHBP 348) swmp edge nr Clark Bldg pkng lot 6 Sep 88.

## GYMNOSPERMS

### Cupressaceae

#### **Chamaecyparis** Spach

*C. thyoides* (L.) Britton, Sterns and Poggenberg, Atlantic white cedar. NEBC (H. St. John 17) W Fal 1 Sep 11; SPWH 6532 (A. Laderman & E. P. Armstrong) Cumloden swmp 20 Sep 84. There are about 15 small cedar swmps in town. Local authorities on these are Mark Patton, recently Falmouth's Natural Resources Officer, and Aimlee Laderman, who is associated with the Marine Biological Laboratory and the Yale School of Forestry and Environmental Studies.

#### **Juniperus** L.

*J. communis* L. var *depressa* Pursh, common juniper. SPWH 7406 (RHBP 447) wds nr SE crnr Long Pd 18 Sep 88; SPWH 9032 (RHBP 2681) Dupee parcel off Hatchville Rd 16 May 2007.

*J. virginiana* L., red cedar. SPWH 371 (Pennell 3071) Quamquiset 23 Jul 11; SPWH 6572 (E. P. Armstrong) nr Memorial Circle 9 Sep 84.

### Pinaceae

#### **Larix** Miller

*L. DECIDUA* Miller, European larch. SPWH 362 (Fogg 704) Ganset Wds 28 Jun 24.

#### **Picea** Dietrich

*P. ABIES* (L.) Karsten, Norway spruce. SPWH 9031 (RHBP 2682) Dupee parcel off Hatchville Rd 16 May 2007. Sometimes poorly growing seedlings are found near planted trees in the town forest and elsewhere.

*P. GLAUCA* (Moench) Voss, white spruce. SPWH 9035 (RHBP 2679) woods SW of McLean Bldg 1 May 2007.

#### **Pinus** L.

*P. RESINOSA* Aiton, red pine. SPWH 7445 (RHBP 1196) W side of Quissett Ave just N of golf course 6 Oct 89.

*P. rigida* Miller, pitch-pine. SPWH 363 (Fogg 705) rd to Nobska nr freshwater pd 2 Jul 24; SPWH 9289 (PTP 0247) just W of bikepath Cardoza Farm 13 May 2009.

*P. strobus* L., white pine. SPWH 9029 (RHBP 2676) SW crnr Quisset Campus SW of McLean Bldg 1 May 2007.

*P. SYLVESTRIS* L., Scots pine. NEBC (E. F. Williams) Fal Hts and Fal 6 Jul 11, "spreading freely and profusely"; but 80 years later this pine seems neither to be common nor spreading.

#### **Tsuga** Carrière

*T. canadensis* (L.) Carrière, hemlock. There are a few small trees around town, mostly near and probably seedlings of large planted ones.

### Taxaceae

#### **Taxus** L. yews

Exotic yew (*T. BACCATA* L. or *T. CUSPIDATA* Siebold and Zuccarini or a hybrid of the two).



**MAGNOLIID COMPLEX****Ceratophyllaceae****Ceratophyllum** L., hornworts

*C. demersum* L. SPWH 1492 (Pennell 3352) Oyster Pd 1 Aug 11. SEE FOGG, RHOD. 32:107.

*C. echinatum* Gray. SPWH 8047 (RHBP 1816) nr foot dam at head Coonamessett R cranberry bog above John Parker Rd 10 Sep 91.

**Lauraceae****Lindera** Thunberg

*L. benzoin* (L.) Blume, spicebush. Mashpee.

**Sassafras** J. and J. S. Presl

*S. albidum* (Nuttall) Nees, sassafras. SPWH 1522 (Pennell 3506) Wds Hole 8 Aug 11; SPWH 5578 (Moul 82-11) F R Lillie Rd 25 Oct 82.

**Magnoliaceae****Magnolia**, L., magnolias

*M. acuminata* L., cucumber tree. SPWH 9000 (RHBP 2647) nr #50 "Treetops" Wds Hole Rd 16 Aug 2005.

**Nymphaeaceae****Brasenia** Schreber

*B. schreberi* Gmelin, water-shield. SPWH 1493 (K&P 3239) boggy pd btwn Long and Mares Pds 29 Jul 11; SPWH 7774 (RHBP 1670) pd S of jet Sandwich Rd and Rt 151 17 Oct 90.

**Nuphar** Smith

*N. variegata* Durand ex Clinton, spatterdock. SPWH (RHBP 1620) Crocker Pd 30 Sep 90. MISSING.

**Nymphaea** L.

*N. odorata* Aiton, water-lily. SPWH 1496 (Pennell 3181) Nobska Pd 26 Jul 11; SPWH 7534 (RHBP 1578) Wings Pd 5 Sep 90.

## Monocots

### Acoraceae

#### **Acorus** L.

*A. CALAMUS* L., sweet flag. SPWH 131 (Fogg 1035) low wet hollow W of Quissett Ave 1/2 mi N of Wds Hole 30 Jun 25. SPWH 8576 (RHBP 2187) msh leading to Eel Pd 125 yds SW of S end Cricket Lane Wds Hole 26 May 99.

### Alismataceae

#### **Alisma** L., mud-plantains

*A. subcordatum* Rafinesque. NEBC (Fogg 713) edge of spring Quissett Ave 11 Sep 24; SPWH 7545 (RHBP 1590) edge Harper's Pd 12 Sep 90.

#### **Sagittaria** L., arrowheads

*S. engelmanniana* Small. SPWH 428 (K&P 3211) bog btwn Long Pd and Mares Pd 29 Jul 11; SPWH 8045 (RHBP 1837) edge bog S of jct Brick Kiln Rd and Gifford St 11 Sep 91.

*S. latifolia* Willdenow, duck-potato. SPWH 7699 (Buckley 3292) bog N of W entr Fal Mall 12 Jul 90; SPWH 8043 (RHBP 1846) bog/pd N of Crooked Pd 12 Sep 91.

*S. teres* Watson ex Gray. SPWH 424 (K&P 3453) Deep Pd (Hatchville) 5 Aug 11; SPWH 8585 (RHBP 2144) Hatchville E side of shallow part Deep Pd (aka Lily Pond) 24 Jul 95. SPECIAL CONCERN.

### Alliaceae

#### **Allium** L., onions

*A. VINEALE* L., field-garlic. SPWH 2289 (Moul 77-72) Salt Pd Rsvn 24 Jun 76; SPWH 7696 (Buckley 3174) Wood Neck Bch 11 Jul 90.

### Araceae

#### **Arisaema** Martius

*A. triphyllum* (L.) Schott ex Schott & Endlicher ssp *stewardsonii* (Britton) Huddleston, jack-in-the-pulpit. SPWH 7556 (RHBP 1516) small swmp SW of jct of Crystal Spring Ave and Quaker Rd N Fal 24 Aug 90.

#### **Lemna** L.

*L. minor* L. SPWH 9007 (RHBP 2665) swmp E side of School St pkng lot Wds Hole 29 Aug 2006.

*L. perpusilla* Torrey. SPWH 7695 (Buckley 3006) Quashnet R 8 Aug 90. HISTORICAL. CHECK ID

*L. valdiviana* Philippi. NEBC (B. E. Williams) "pnd on C.R.Crane place" Wds Hole 19 Jul 11. HISTORICAL

#### **Peltandra** Rafinesque, arrow-arums

*P. virginica* (L.) Schott ex Schott and Endlicher, tuckahoe. SPWH 7455 (RHBP 1046) brackish msh on Moonakis R 24 Aug 89.

#### **Spirodela** Schleiden

*S. polyrhiza* (L.) Schleiden, water-flaxseed. SPWH 38 (Pennell 3350) Oyster Pd 1 Aug 11; NEBC (Fogg 2229) Oyster Pd 27 Jun 27.

#### **Symplocarpus** Salisbury ex Nuttall

*S. foetidus* (L.) Salisbury ex Nuttall, skunk-cabbage. Bourne.

#### **Wolffia** Horkel

*W. brasiliensis* Weddell, papillate water-meal. SPWH 9010 (RHBP 2672) swmp at jct Brick Kiln Rd and

Rt 28a 10 Oct 2006.

## Asparagaceae

### **Asparagus** L.

*A. OFFICINALIS* L., asparagus. SPWH 7549 (RHBP 1365) SE limb of Washburn I 22 Jun 90.

## Colchicaceae

### **Uvularia** L., bellworts

*U. sessilifolia* L. SPWH 190 (K&P 3301) Fal 29 Jul 11; SPWH 7370 (RHBP 22) Quissett Campus wds 24 May 1988.

## Commelinaceae

### **Commelina** L., day-flowers

*C. COMMUNIS* L. SPWH 1130 (Moul 76-13) MBL pkgng lot Millfld St 18 Oct 75; SPWH 1679 (Moul 77-13) Bradley Hse 13 Aug 76.

## Cyperaceae

### **Bolboschoenus** Palla in Koch et al., tuberous bulrushes

*B. maritimus* (L.) Palla ssp *paludosus* (Nelson) Koyama, saltmarsh-bulrush. NEBC (A.H. Moore) "salt marsh at head of Quisset Harbor" 24 Jul 04; SPWH 100 (Moul 6482) dune Chapaquoit Bch area 1 Jul 49.

*B. robustus* (Pursh) Soják, stout bulrush. NEBC (W. G. Farlow) "Wood's Holl" Aug 1876; SPWH 7610 (RHBP 473) edge of Gt Sippewisset msh along rr S of W Fal PO 21 Sep 88.

### **Bulbostylis** Kunth

*B. capillaris* (L.) Kunth ex Clarke. SPWH 856 (Pennell 3267) Long Pd 29 Jul 11; SPWH 6775 (Buckley 506) bikepath S of Oyster Pd 11 Aug 86.

### **Carex** L., sedges

*C. atlantica* Bailey ssp *atlantica*. SPWH 1018 waste place E of Quissett Ave 5 Jul 24; SPWH 7073 (Buckley 1031) strm btwn Dam and Wing Pds 15 Jul 89. CHECK SSP

*C. blanda* Dewey. SPWH 7044 (Buckley 1020) rky ravine nr Angel's Mill Pd 25 Jul 89.

*C. brunnescens* (Persoon) Poirer ex Lamarck var *sphaerostachya* (Tuckerman) Kükenthal. SPWH 8230 (Mary Hunt) nr Cape Cod Beagle Club 24 Jun 92.

*C. bullata* Schkuhr ex Willdenow. SPWH (RHBP 337) Backus R bog just N of Carriage Shop Rd 4 Sep 88. MISSING.

*C. canescens* L., silvery sedge. SPWH 865 (Pennell 2860) Wds Hole 8 Jul 11. SPWH 864 (Fogg 1021) cedar swmp Wds Hole 27 Jun 25; SPWH (RHBP 610) Coonamessett R bog just N of Sam Turner Rd 30 May 89. MISSING. ssp?

*C. CARYOPHYLLEA* Latourette. SPWH (RHBP 1262) dry lawn Swift Estate WBNERR 1 May 90. MISSING.

*C. cephalophora* Muhlenberg ex Willdenow. SPWH 8231 (Mary Hunt) 85 Elm Rd 29 Jun 92.

*C. comosa* Boott. SPWH 867 (K&P 3430) swmp E Fal 5 Aug 11; RHBP (1519) upper Moonakis R 28 Aug 90. MISSING.

*C. crinita* Lamarck var *brevicrinus* Fernald. SPWH 7674 (Buckley 3186) nr strm btwn Mill and Green Pds Jul 90; SPWH 8980 (RHBP 2640) along trickle S of footbrdg at N end Zinn Pk Ransom Rd 2 Aug 2005.

*C. echinata* Murray. SPWH 1016 (Pennell 2797) Wds Hole 25 Jun 11.

*C. folliculata* L. SPWH 885 (L. Roseman 375) Fays Wds Jul 02.

*C. intumescens* Rudge. SPWH 896 (Pennell 2959) Hamlin Pt 13 Jul 11; SPWH 6948 (Buckley 688) Salt Pd Rsvn 3 Jul 87.

*C. KOBOMUGI* Ohwi. S&P75.

- C. lasiocarpa* Ehrhart ssp *americana* (Fernald) Löve and Bernard. SPWH 884 (Pennell 3440) nr Coonamessett Pd 5 Aug 11.
- C. leptalea* Wahlenberg. SPWH (RHBP 1951) Moonakis R 23 Jun 92. MISSING.
- C. longii* Mackenzie. SPWH 905 (Fogg 729) S end Long Pd 13 Jul 24; MISSING. RHBP 809) N of Fresh Pd 20 Jul 89.
- C. lupulina* Willdenow. SPWH 908 (Fogg 730) Quisset Ave 1/4 mi N of Wds Hole 1 Jul 24.
- C. lurida* Wahlenberg. SPWH 901 (Pennell 2963) Hamlin Pt 15 Jul 11; SPWH 7069 (Buckley 1070) Childs R N of Cross Rd 12 Jul 89.
- C. muhlenbergii* Schkuhr ex Willdenow. SPWH 943 (Fogg 732) rr Wds Hole 10 Jul 24; SPWH 7672 (Buckley 3007) Washburn I 6 Jul 90. var?
- C. pallescens* L., pale sedge, SPWH 8232 (Hunt) dry open area 82 Elm Rd. 18 Jun 1982; SPWH 9285 (PTP 356) N Hatchville Rd just W entr Matt Souza Area Bioblitz 26 Jun 2010.
- C. pensylvanica* Lamarck, early sedge. SPWH 3285 (Moul 79-66) F R Lillie Rd 21 May 79.
- C. scoparia* Schkuhr ex Willdenow, broom sedge. SPWH 1008 (Fogg 724) rr track NE of Wds Hole 30 Jun 24; (RHBP 661) Childs R cranberry bog N of Carriage Shop Rd 20 Jun 89 MISSING.
- C. silicea* Olney. SPWH 1012 (Pennell 2877) "sea beach" Wds Hole 9 Jul 11; SPWH 1014 (Fogg 735) nr Nobska Pd 7 July 24; (fide Sorrie) Washburn I Jul 88.
- C. stipata* Muhlenberg ex Willdenow. SPWH (RHBP 1720) W bnk Moonakis R 26 Jun 91. MISSING.
- C. straminea* Willdenow ex Schkuhr. SPWH 892 (Pennell 2876) saltmsh Wds Hole 9 Jul 11; SPWH (RHBP 1729) W bnk Moonakis R 26 Jun 91. MISSING.
- C. stricta* Lamarck. SPWH 7066 (Buckley 1027) nr strm N of Dam Pd 12 Jul 89.
- C. swanii* (Fernald) Mackenzie. SPWH 1028 (Pennell 2889) dry wds Wds Hole 9 Jul 11; SPWH 8984 (RHBP 2656) wds behind WH Res Ctr Jun 2005.
- C. tribuloides* Wahlenberg. SPWH 1023 (Fogg 1017) Quisset Ave 30 Jun 25.
- C. umbellata* Schkuhr ex Willdenow. SPWH (RHBP 1696) Washburn I 24 May . MISSING.
- C. utriculata* F. Boott. SPWH (RHBP 1707) Moonakis R 29 May 91. MISSING.
- C. vulpinoidea* Michaux, fox-sedge. SPWH 1024 (Fogg 738) edge spring Nobska Pt 24 Jun 24; SPWH 8229 (Mary Hunt) dry fld unr pwrln E of Hatchville Rd ca 3/5 mi N of East End Mtnghse 17 Jul 92.

#### Cladium Browne

- C. mariscoides* (Muhlenberg) Torrey, saw-grass. SPWH 6780 (Buckley 537) bog off access rd to Long Pd ca 1/2 mi from Gifford St 10 Aug 86; SPWH 7605 (RHBP 871) E shr Long Pd 1 Aug 89.

#### Cyperus L., galingales or umbrella-sedges

- C. bipartitus* Torrey. SPWH 7710 (RHBP 433) S edge Nobska Pd 18 Sep 88.
- C. dentatus* Torrey. SPWH 859 (K&P 3265) Long Pd 29 Jul 11; SPWH 6782 (Buckley 512) cranberry bog ditch Old Meetinghouse Rd 6 Aug 86.
- C. diandrus* Torrey. SPWH 7625 (Buckley 3251) pd N of Gunning Pt 20 Aug 90.
- C. echinatus* (L.) Wood. SPWH 7627 (Buckley 3293) wet clrg just S of cinema Fal Mall Aug 90.
- C. esculentus* L. var *leptostachyus* Boeckeler, yellow nut-grass. SPWH 6783 (Buckley 513) nursery off dirt rd to Long Pd opposite Steamship Authority Gifford St 7 Oct 86.
- C. filicinus* Vahl. SPWH 874 (Fogg 2423) edge brackish pd Gunning Pt 9 Aug 27; SPWH 7527 (RHBP 1165) among *Phragmites* at W edge of Sippewisset Pd 20 Sep 89.
- C. grayi* Torrey. SPWH 6785 (Buckley 515) bikepath S of Oyster Pd 8 Aug 86.
- C. lupulinus* (Sprengel) Marcks ssp *macilentus* (Fernald) Haines. SPWH 875 (Pennell 2966) Quamquisset 15 Jul 11; SPWH 6784 (Buckley 514) bikepath S of Oyster Pd 11 Aug 86. ssp?
- C. MICROIRIA* Steudel. SPWH 6781 (Buckley 511) nursery off dirt rd to Long Pd opposite Steamship Authority Gifford St 7 Oct 86.
- C. odoratus* L. SPWH 7709 (RHBP 432) S edge Nobska Pd 18 Sep 88. WATCH LIST.
- C. strigosus* L. SPWH 878 (K&P 3433) E Fal 5 Aug 11; SPWH 7552 (RHBP 1584) N end Coonamessett Pd 31 Aug 90.

#### Dulichium Persoon

- D. arundinaceum* (L.) Britton, three-square. SPWH 850 (K&P 3247) bog btwn Long and Mares Pds 29 Jul 11; SPWH 7510 (RHBP 299) bog S of jct Brick Kiln Rd and Gifford St 1 Sep 88.

**Eleocharis** Brown, spike-rushes

*E. acicularis* (L.) Roemer and Schultes. SPWH 1030 (Pennell 2972) edge pd Quamquisset 15 Jul 11; SPWH 6944 (Buckley 754) cranberry bog ditch Rt 28 E Fal 5 Sep 88.

*E. flavescens* (Poiret) Urban var *olivacea* (Torrey) Gleason. SPWH 1045 (Fogg 1027) bog N of Long Pd 28 Jul 25; SPWH 6792 (Buckley 522) bog nr Long Pd ca 1/2 mi from Gifford St 17 Oct 86.

*E. melanocarpa* Torrey. NEBC (Fernald and Bayard Long 18033) "dryish or moist gravelly and sandy beach" Crooked Pd 23 Aug 19; SPWH 7057 (Buckley 1001) W shr Frog Pd 23 Aug 89. WATCH LIST.

*E. ovata* (Roth) Roemer and Schultes. NEBC (W. G. Farlow) "Wood's Holl" Sep 1876; SPWH 6790 (Buckley 520) cranberry bog ditch Old Meetinghse Rd 6 Aug 86. ENDANGERED.

*E. palustris* (L.) Roemer and Schultes. SPWH 1042 (Pennell 2875) saltmsh Wds Hole 9 Jul 11; SPWH 8227 (RHBP 1734) from floating mat of vegetation Moonakis R 26 Jun 91.

*E. parvula* (Roemer and Schultes) Link ex Bluff, Nees and Schauer. SPWH 6793 (Buckley 523) Gt Sippewisset Msh 15 Aug 86.

*E. robbinsii* Oakes. SPWH 1048 (K&P 3448) shallow water Deep Pd (Hatchville) 5 Aug 11; SPWH 7085 (Buckley 1010) Spectacle Pd (Hatchville) 27 Aug 89.

*E. rostellata* (Torrey) Torrey. SPWH 1051 (K&P 3469) saltmsh N Fal 5 Aug 11. WATCH LIST.

**Eriophorum** L., cotton-grasses

*E. virginicum* L. SPWH 1054 (Pennell 3166) saltmsh btwn Nobska Pt and Oyster Pd 26 Jul 11; SPWH 7285 (RHBP 1208) Coonamessett R bog just N of Sam Turner Rd 10 Oct 89.

**Fimbristylis** Vahl

*F. autumnalis* (L.) Roemer and Schultes. NEBC (Fernald & Bayard Long 18039) "sandy and gravelly margin of Crooked Pnd" 23 Aug 19; SPWH 6939 (Buckley 805) Frog Pd Ashumet Holly Rsvn 6 Sep 88.

**Fuirena** Rottboell

*F. pumila* (Torrey) Sprengel. SPWH 1100 (K&P 3242) bog btwn Long and Mares Pds 29 Jul 11; SPWH 8046 (RHBP 1835) bog S of jct Gifford St and Brick Kiln Rd 11 Sep 91. WATCH LIST.

**Lipocarpa** Brown

*L. micrantha* (Vahl) Tucker. NEBC (Fernald and Bayard Long 18075) "sandy and gravelly margin of Crooked Pond" 23 Aug 19; SPWH 7577 (Buckley 3004) S shr Ashumet Pd 18 Oct 90. THREATENED.

**Rhynchospora** Vahl, beak-rushes

*R. alba* (L.) Vahl. SPWH 41 (E. A. Simons) "bog north of laboratory" 22 July 01; SPWH 6795 (Buckley 525) bog off access rd to Long Pd ca 1/2 mi from Gifford St 8 Aug 86.

*R. capitellata* (Michaux) Vahl. SPWH 125 (Pennell 2964) Hamlin Pt 15 Jul 11; SPWH 6796 (Buckley 526) bog NE of Chappaquoit Bch pkng lot 29 Aug 86.

*R. fusca* (L.) Aiton. NEBC (Fernald & Bayard Long 18082) "quagmire at north end of Crooked Pond" 23 Aug 19.

*R. macrostachya* Torrey ex Gray, horned rush. NEBC (Fernald & Bayard Long 18078) "wet peaty border of Shallow (Lily) Pond" 23 Aug 19; SPWH 6926 (Buckley 750) Spectacle Pd (Hatchville) 29 Sep 88.

*R. nitens* (Vahl) Gray. NEBC (Sorrie 700) Crooked Pd "sandy-peaty shore of NW cove, 25+ plants growing with *P. scirpoides*", 2 Aug 80. THREATENED.

*R. scirpoides* (Torrey) Gray. NEBC (Sorrie 697) Randall Pd "common on peaty W shore" 2 Sep 80; SPWH 8040 (RHBP 1863) bog/pnd S of jct Gifford St and Brick Kiln Rd 19 Sep 91. SPECIAL CONCERN.

**Schoenoplectus** Palla, naked-stemmed bulrushes

*S. americanus* (Persoon) Volkart ex Schinz and Keller. NEBC (J.R. Churchill) W Fal 30 Jun 1894; SPWH 7598 (RHBP 1254) edge Oyster Pnd annex 13 Oct 89. Occasional

*S. pungens* (Vahl) Palla, chairmaker's rush. NEBC (J.R. Churchill) W Fal 15 Sep 1894; SPWH 7596 (RHBP 1419) E shr Washburn I 7 Jul 90.

*S. purshianus* (Fernald) Strong. SPWH 95 (K&P 3241) bog btwn Long and Mares Pds 29 Jul 11; SPWH 8044 (RHBP 1839) bog S of jct Brick Kiln Rd and Gifford St 11 Sep 91.

*S. subterminalis* (Torrey) Soják, swaying rush. SPWH 107 (K&P 3451) shallows Deep Pd (Hatchville) 5

Aug 11; NEBC (Fogg 3663) bog E of Long Pd 21 Aug 28.

*S. tabernaemontani* (Gmelin) Palla. NEBC (C.A. and A.W. Cheever) 17 Jul 10; SPWH 7601 (RHBP 1152) W side Coonamesett R arm of Gt Pd just S of Rt 28 14 Sep 89.

**Scirpus** L., bulrushes

*S. cyperinus* (L.) Kunth, wool-grass. NEBC (C.A. and A.W. Cheever) W Fal 17 Jul 10; SPWH 7611 (RHBP 405) small maple swamp SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.

**Scleria** Berg

*S. pauciflora* Muhlenberg ex Willdenow var *caroliniana* (Willdenow) Wood. SPWH 8546 (PTP 0132) Crane WMA restored grassland near *A. acuta* 9 Oct 2001. ENDANGERED.

*S. reticularis* Michaux. SPWH 1102 (K&P 3455) margin Deep Pd (Hatchville) 5 Aug 11; SPWH 8039 (RHBP 1877) wet medo E of pnsla on SE shr Long Pd 21 Sep 91. WATCH LIST.

**Eriocaulaceae**

**Eriocaulon** L., pipeworts

*E. aquaticum* (Hill) Druce. SPWH 30 (K&P 3280) margin Grews Pd 29 Jul 11; SPWH 7504 (RHBP 919) Flax Pd (Quisset) 9 Aug 89.

**Haemodoraceae**

**Lachnanthes** Elliott

*L. caroliniana* (Lamarck) Dandy, redroot. SPWH 1263 (K&P 3460) margin "Lachnanthes" (Randall) Pd ("near Crooked Pd") 5 Aug 11; SPWH 6901 (Buckley 850) Grassy Pd 30 Aug 88. SPECIAL CONCERN.

**Hemerocallidaceae**

**Hemerocallis** L.

*H. FULVA* (L.) L., day-lily. NEBC (J.R. Churchill) W Fal 3 Jul 1894; SPWH 821 (Moul 75-162) Oyster Pd Rd 14 Jul 75.

**Hyacinthaceae**

**Ornithogalum** L.

*O. UMBELLATUM* L., Star of Bethlehem. NEBC (A. H. Moore) "escaping in grass by roadside" nr Wds Hole 28 May 04.

**Hydrocharitaceae**

**Elodea** Michaux, water-weeds

*E. nuttallii* (Planchon) St. John. NEBC (Fogg 3428) Fresh Pd 10 Jul 28; SPWH 8069 (RHBP 1580) Wing's Pd 5 Sep 90.

**Najas** L., naiads

*N. flexilis* (Willdenow) Rostkovius and Schmidt. NEBC (Svenson) Salt Pd 18 Aug 26; SPWH 422 (Croasdale) Oyster Pd 31 Aug 34. WEEKS Pond?

*N. gracillima* (A. Braun ex Engelmann) Magnus. H&C80 map 41.

*N. guadalupensis* (Sprengel) Magnus. SPWH 420 (Wodehouse) Oyster Pd 31 Aug 34; same 1975 (MNHP).

**Vallisneria** L.

*V. americana* Michaux, water-celery. SPWH 473 (Fogg 714) Fresh Pd 9 Sep 24.

## Hypoxidaceae

**Hypoxis** L., stargrasses

*H. hirsuta* (L.) Coville, yellow-eyed grass. NEBC (C.H. Knowlton) "swamp" 26 Jun 18; SPWH 6455 (C.D. Boretos) Beebe Wds 19 Jun 83.

## Iridaceae

**Iris** L., irises

*I. prismatica* Pursh, slender blue flag. NEBC (J. R. Churchill) W Fal 28 Jun 1894; SPWH 7485 (RHBP 646) Salt Pd Rsvn 6 Jun 89. A specimen imprecisely located (SPWH 1101, E. A. Simons, 22 Jul 01) says "covering swamps with bloom first week in July".

*I. versicolor* L., blue flag. SPWH 1107 (Moul 6527) shr Ashumet Pd 17 Aug 49; SPWH 7484 (RHBP 647) Salt Pd Rsvn 6 Jun 89. E. A. Simons says in 1901 (SPWH 1106) "swamps everywhere".

**Sisyrinchium** L., blue-eyed grasses

*S. angustifolium* Miller, stout blue-eyed grass. SPWH 1182 (E. A. Simons) "bog north of laboratory" 22 Jul 01; SPWH 1180 (Fogg 769) edge Long Pd 13 Jul 24.

*S. atlanticum* Bicknell, eastern blue-eyed grass. NEBC (C. H. Knowlton) "swamp" 26 Jun 18; SPWH 7038 (Buckley 1013) fld Bourne Farm 27 Jul 89.

*S. fuscatum* Bicknell. SPWH 1177 (Pennell 2881) Wds Hole 9 Jul 11; SPECIAL CONCERN.

*S. montanum* Greene, common blue-eyed grass. ?(RHBP 636) nr Backus R cranberry bog just S of Carriage Shop Rd 3 Jun 89. var?

## Juncaceae

**Juncus** L., rushes

*J. acuminatus* Michaux, sharp-fruited rush. NEBC (C. A. & A. W. Cheever) 17 Jul 10; SPWH 6801 (Buckley 528) cranberry bog ditch Old Meetinghouse Rd 2 Aug 86.

*J. arcticus* Willdenow var *balticus* (Willdenow) Trautvetter. SPWH 63 (Fogg 2227) swmpy margin Chara Pd 27 June 27; SPWH 7068 (Buckley 1021) nr strm to Dam Pd 15 Jul 89.

*J. articulatus* L., jointed rush. NEBC (J. R. Churchill) W Fal 30 Jun 1894.

*J. brevicaudatus* (Engelmann) Fernald. NEBC (Fogg 3667) "quagmire bog" E of Long Pd 21 Aug 28; SPWH 3252 (Buckley 3252) bog N of W entr Fal Mall 29 Aug 90.

*J. bufonius* L., toad-rush. NEBC (W. G. Farlow) "in pure sand, Wood's Holl" 7 Sep 1876. Specimen COLLECTED.

*J. canadensis* J. Gay ex Laharpe, marsh-rush. NEBC (W. G. Farlow) "Wood's Holl" 10 Sep 1876. SPWH 7614 (RHBP 338) Backus R bog just N of Carriage Shop Rd 4 Sep 88.

*J. dichotomus* Elliott. NEBC (C.H. Knowlton) "swamp" 26 Jun 18; SPWH 7608 (RHBP 694) dry fld W of Turpentine Rd Crane WMA 21 Jun 89.

*J. effusus* L., tufted rush. SPWH 85 (Moul 1403) sphagnum-covered bnk Trout Lake 28 Jun 46; SPWH 7612 (RHBP 401) small maple swmp SE of jct Thos Landers Rd and Rt 28 14 Sep 88.

var *solutus* Fernald and Wiegand. SPWH 7666 (Buckley 3166) N side Quashnet R E of Martin Rd bridge Aug 90. MOST OR ALL VAR SOLUTUS? Also syn. *J. pylaei* Laharpe. SPWH 81 (Pennell 2864) swmp Wds Hole 8 Jul 11; SPWH 6975 (Buckley 850) wds SE of Dam Pd 10 Aug 88.

*J. gerardii* Loiseleur, black grass. SPWH 45 (Pennell 2970) saltmsh Quamquisset 15 Jul 11; SPWH 7597 (RHBP 1313) E shr Washburn I 8 Jun 90.

*J. greenei* Oakes and Tuckerman, Greene's rush. SPWH 49 (Pennell 2879) dry soil Wds Hole 9 Jul 11; SPWH 6800 (Buckley 528) bikepath nr Oyster Pd 1 Aug 86.

*J. marginatus* Rostkovius, grass-rush. NEBC (W.G. Farlow) Wds Hole Aug 1877; SPWH 50 (K&P 3431) moist soil E Fal 5 Aug 11.

*J. militaris* Bigelow, bayonet-rush. SPWH 304 (K&P 3246) bog btwn Long and Mares Pds 29 Jul 11; SPWH 7589 (RHBP 1667) edge pnd SW of jct Sandwich Rd and Rt 151 17 Oct 90.

*J. nodosus* L. SPWH 7606 (RHBP 746) wet medo E of SE edge of Long Pd 11 Jul 89? WATCH LIST. CHECK IDENTIFICATION

*J. pelocarpus* Meyer, beach-rush. NEBC (W. G. Farlow) 10 Sep 1876; SPWH 6802 (Buckley 530) edge Ashumet Pd 10 Aug 86.

*J. tenuis* Willdenow, path-rush. SPWH 158 (L. Roseman) Wds Hole Jul 02; SPWH 8224 (RHBP 1990) edge drive on Ostrom Rd 21 Jul 92.

#### **Luzula** de Candolle, wood-rushes

*L. bulbosa* (A. Wood) Smyth and Smyth. NEBC (Fogg 2219) Wds Hole 24 Jun 27; SPWH 7609 (RHBP 633) dry open slope Little Lane Waquoit 3 Jun 89. WATCH LIST.

*L. echinata* (Small) Herrmann. Fogg30.

*L. multiflora* (Ehrhart) Lejeune. SPWH 309 (Pennell 2902) Wds Hole 9 Jul 11; SPWH 3491 (Moul 81-14) F R Lillie Rd 3 Jun 81. CHECK SSP

### Juncaginaceae

#### **Triglochin** L., arrow-grasses

*T. maritima* L. SPWH 471 E. A. Simons "swamp, north of laboratory" 22 Jul 01; SPWH 7035 (Buckley 1029) Gt Sippewisset Msh next to rr track 10 Aug 89.

### Liliaceae

#### **Erythronium** L.

*E. americanum* Ker Gawler, trout-lily. SPWH 8067 (RHBP 1678) thicket front of hse of Martha Ellis (Sloat Hodgson's sister) overlooking bay of W Fal Hbr just inside Little I 28 Apr 91. Abundant at this site.

#### **Lilium** L., lilies

*L. philadelphicum* L., wood-lily. NEBC (C.F. Batchelder) Wild Hbr 12 Jul 06; SPWH 7505 (RHBP 766) N side Quissett Hbr entr 13 Jul 89. Now uncommon, but a specimen with poor locality data (SPWH 195, E. A. Simons), but probably from Woods Hole, says "common" 28 Jul 01.

#### **Medeola** L.

*M. virginiana* L., Indian-cucumber. SPWH 187 (L. Roseman) Fay's Wds 20 Jul 02; SPWH 1347 (Moul 76-124) Memorial Circle wds 7 Jun 76.

### Nartheciaceae

#### **Aletris** L.

*A. farinosa* L., colic-root. NEBC (E. F. Williams) W Fal 14 Jul 01; SPWH 7446 (RHBP 1174) unr pwrln 300 yds SE of jct of Ashumet and Sandwich Rds 27 Sep 89.

### Orchidaceae, orchids

#### **Arethusa** L.

*A. bulbosa* L., swamp-pink. NEBC (H. St. John) bog in dunes W Fal 17 Jun 11; SPWH 7523 (DiGregorio) bog SE of Bowerman's Bchhse 11 Jun 89. I counted 8 plants seemingly at the height of bloom at this locality on 11 June 1990 without making a particularly thorough search. (E. P. Armstrong counted the same on a separate visit.) The tallest about 12", the shortest about 4" and within an inch of the first. Neither *Pogonia* or *Calopogon* were in bloom. THREATENED.

#### **Calopogon** Brown ex Aiton f.

*C. tuberosus* (L.) Britton, Sterns and Poggenberg, grass-pink. NEBC (P. Batchelder) "old cranberry bog" Wild Hbr 14 Jul 06; (RHB) bog E of Bowerman's Bchhse 25 Jun 90, a single plant seen. MAKE A SHEET IF THIS IS ABUNDANT ENOUGH SOME PLACE.



**Cypripedium** L., lady's-slippers

*C. acaule* Aiton, pink lady's-slipper. SPWH 140 (K&P 3276) dry wds nr Long Pd 29 Jul 11; SPWH 3307 (Moul 80-16) Memorial Circle 7 Jul 76.

**Epipactis** Swartz

*E. HELLEBORINE* (L.) Crantz, helleborine. NEBC (H. E. Wondergem on Fogg's label) "oak and beech woods" Fay estate 19 Aug 26. SPWH 8611 (RHBP 2616) gdn wd 244 Wds Hole Rd 20 Jul 2004.

**Goodyera** Brown ex Aiton f., rattlesnake-plantains

*G. pubescens* (Willdenow) Brown, downy rattlesnake-plantain. SPWH 1191 (K&P 3228) nr Jenkins Pd 29 Jul 11; SPWH 7404 (RHBP 425) nr path leading from Oyster Pd Rd across from Memorial Circle 16 Sep 88.

**Malaxis** Solander ex Swartz, adder's-mouths

*M. unifolia* Michaux, green adder's-mouth. S&P79. WATCH LIST.

**Platanthera** Richard

*P. blephariglottis* (Willdenow) Lindley var *blephariglottis*, white-fringed orchis. SPWH 1192 (Pennell 3095) edge saltmarsh W Fal 23 Jul 11; SPWH 1194 (Fogg 1049) dry rdside E Fal 19 Jul 25. DOCUMENT.

*P. clavellata* (Michaux) Luer, green woodland-orchis. SPWH 1201 (Pennell 3368) Waquoit 2 Aug 11; NEBC (Fogg 2335) "boggy depression among dunes. Near beach." W Fal 1 Aug 27. DOCUMENT.

*P. lacera* (Michaux) Don, ragged orchis. SPWH 1197 (E. A. Simons) bog in Fay's Wds 26 Jul 01 "common in all bogs"; 300 yds N of baseball diamond on Rt 151 opp Ranch Rd 19 Jul 98 a single plant, not collected, but viewed by BCCCI.

**Pogonia** Jussieu

*P. ophioglossoides* (L.) Ker-Gawler, rose pogonia. SPWH 7528 (RHBP 1381) bog SE of Bowerman's Bchhse 25 Jun 90, hundreds seen.

**Spiranthes** Richard, ladies'-tresses

*S. cernua* (L.) Richard, screw-auger. Nr Fresh Pd (fide Mary Hunt) 1 Sep 92. (I. Kadis & A. Zinovjev) Crane WMA 41.3690N 70.5524W 25 Sep 2011

*S. lacera* (Rafinesque) Rafinesque var *gracilis* (Bigelow) Luer, slender ladies'-tress. SPWH 6909 (Buckley 810) by entr rd Waquoit Bay NERR 18 Aug 88; SPWH 7459 (RHBP 996) rear of Bourne Farm 18 Aug 89.

*S. tuberosa* Rafinesque, little ladies'-tress. SPWH 6910 (Buckley 835) by entr rd Waquoit Bay NERR 18 Aug 88; SPWH 7458 (RHBP 997) rear of Bourne Farm 18 Aug 89. WATCH LIST.

**Poaceae**, grasses**Agrostis** L., bentgrasses

*A. CAPILLARIS* L., Rhode Island bentgrass. SPWH 2437 (Moul 72-177) Salt Pd Rsvn 30 Jun 75; SPWH 6979 (Buckley 686) Bourne Farm 4 Jul 87.

*A. GIGANTEA* Roth. SPWH 6973 (Buckley 829) wd New Alchemy Institute 27 Jul 88.

*A. perennans* (Walter) Tuckerman, upland bentgrass. SPWH 6726 (Buckley 458) bikepath 6 Aug 86.

*A. scabra* Willdenow, hairgrass. NEBC (Fogg 3638) nr Mill Pd Wds Hole 10 Aug 28; SPWH 6732 (Buckley 465) Elm Rd by trail to Salt Pd Rsvn 1 Aug 86.

*A. STOLONIFERA* L., carpet bentgrass. NEBC (E. F. Williams) "in sand on beach" Wds Hole 5 Jul 11; SPWH 7664 (Buckley 3183) cranberry bog ditch Old Mtnghse Rd Aug 90. CHECK.

**Ammophila** Host, beach-grasses

*A. breviligulata* Fernald, American beach-grass. NEBC (H. St. John 367) W Fal 6 Sep 11; SPWH 8218 (RHBP 2055) nr Moors bchhse 5 Oct 92.

**Andropogon** L., beard-grasses

*A. gerardii* Vitman, big bluestem. NEBC (Fernald and C. A. Weatherby 16012) Quissett Hbr 20 Sep 18; SPWH 6733 (Buckley 460) bikepath nr Elm Rd 8 Sep 86.

*A. glomeratus* (Walter) Britton, Sterns and Poggenberg. NEBC (C. H. Knowlton) "seashore sandy swamp"

20 Sep 49; SPWH 7647 (Buckley 3120) old cranberry bog S of Collins Bog W shr Moonakis R 9 Oct 90.  
*A. virginicus* L., broom-sedge. SPWH 7513 (RHBP 1257) fld S of Moors Clubhse 13 Oct 89.

**Anthoxanthum** L.

*A. nitens* (Weber) Schouten and Veldkamp, vanilla-grass. NEBC (Fernald 530) nr Gunning Pt 9 Aug 27; SPWH 7582 (Mary Hunt) nr path to Moors bch E of bikepath and S of Elm Rd 17 May 90.

*A. ODORATUM* L., sweet vernal-grass. SPWH 513 (Pennell 3002) Wds Hole 20 Jul 11; SPWH 6730 (Buckley 463) next to cranberry bog Meeting Hse Rd 6 Aug 86.

**Aristida** L., needle-grasses

*A. dichotoma* Michaux, poverty-grass. SPWH 6731 (Buckley 464) McCallum Dr Wds Hole 23 Sep 86.

*A. longespica* Poiret. NEBC (Fernald & Bayard Long 17914) Crooked Pd 23 Aug 19; SPWH 7516 (RHBP 1178) unr pwrln btwn Currier and Sandwich Rds 27 Sep 89. CHECK VAR

*A. purpurascens* Poiret. NEBC (J. R. Churchill) W Fal 27 Aug 1894. THREATENED. FIND and DOCUMENT.

**Arrhenatherum** Beauvois

*A. ELATIUS* (L.) J. & K. Presl, tall oatgrass. SPWH 7994 (RHBP 682) Crane WMA fld NW of Nickelodeon 21 Jun 89.

**Bromus** L., bromes and chesses

*B. COMMUTATUS* Schrader, hairy chess. SPWH 522 (Drouet 1604) jct West and Center Sts Wds Hole 12 Jul 34; SPWH 7650 (Buckley 3165) N shldr Terry Lou Ave 20 Jul 90.

*B. HORDEACEUS* L., soft chess. SPWH 7649 (Buckley 3257) nr Menauhant Bch pkng lot 13 Jul 90.

*B. INERMIS* Leysser, smooth brome. SPWH 6849 (Buckley 687) rd to Long Pd off Gifford St 4 Jul 87.

*B. TECTORUM* L., downy chess. SPWH 526 (Pennell 3064) rr bnk Wds Hole 22 Jul 11; SPWH 6734 (Buckley 466) S of drawbridge Wds Hole 10 Aug 86.

**Calamagrostis** Adanson, reed-grasses

*C. canadensis* (Michaux) Beauvois, bluejoint. SPWH 519 (Pennell 2953) Fal 15 Jul 11; SPWH 2286 (Moul 77-67) Salt Pd Rsvn 7 Jun 76. var?

*C. cinoides* (Muhlenberg) Barton. NEBC (Fogg 2617) edge ball fld Wds Hole 15 Aug 27.

*C. EPIGEJOS* (L.) Roth var Georgica (Koch) Ladeb, feathertop. SPWH 6735 (Buckley 467) Cumloden Dr 3 Aug 86.

**Cenchrus** L., sand-burs

*C. longispinus* (Hackel) Fernald or *C. tribuloides* L. Nobska Beach? Or Black Beach? We have been stuck by this someplace.

**Dactylis** L.

*D. GLOMERATA* L., orchard-grass. NEBC (William Boott) shr Wds Hole 22 Sep 1854; SPWH 6737 (Buckley 469) Old Meetinghse Rd 6 Aug 86.

**Danthonia** de Candolle, oatgrasses

*D. compressa* Austin ex Peck. SPWH 6738 (Buckley 470) Terry Lou Ave 11 Aug 86.

*D. spicata* (L.) Beauvois ex Roemer and Schultes, poverty-grass. SPWH 6468 (Moul 78-48) dry wds F R Lillie Rd 1 Jul 78; SPWH 6739 (Buckley 471) Terry Lou Ave 29 Aug 86.

**Deschampsia** Beauvois, hairgrasses

*D. flexuosa* (L.) Trinius, crinkled hairgrass. NEBC (J. R. Churchill) W Fal 2 Jul 1894; SPWH 3504 (Moul 81-1) wds along F R Lillie Rd 20 Jun 81.

**Dichanthelium** (Hitchcock and Chase) Gould, perennial panic-grasses COLLECT

*D. acuminatum* (Swartz) Gould and Clark subsp *columbianum* (Scribner) Freckmann and Lelong. SPWH 796 (K&P 3252) Long Pd 29 Jul 11; SPWH 7631 (Buckley 3131) Washburn I 6 Jul 90.

ssp *fasciculatum* (Torrey) Freckmann and Lelong. SPWH 789 (Pennell 2882) Wds Hole 9 Jul 11; SPWH

7092 (Buckley 1046) shr Ashumet Pd 28 Aug 89.

subsp *lindheimeri* (Nash) Freckmann and Lelong. Fogg30.

*D. clandestinum* (L.) Gould. SPWH 774 (Pennell 3340) Wds Hole 31 Jul 11; SPWH 6761 (Buckley 492) Palmer Ave 29 Aug 86.

*D. commutatum* (Schultes) Gould ssp *ashei* (Pearson ex Ashe) Freckmann and Lelong. SPWH 773 (Fogg 512) Ganset 25 Jun 23; SPWH 7634 (Buckley 3116) N end Long Pd 30 Sep 90.

*D. depauperatum* (Muhlenberg) Gould. SPWH 775 (Pennell 2859) Wds Hole 8 Jul 11; SPWH 7632 (Buckley 3255) Menauhant Bch pkng lot 11 Jul 90.

*D. dichotomum* (L.) Gould. SPWH 778 (Pennell 2952) Fal 15 Jul 11; SPWH 792 (Fogg 2448) N of rr sta 9 Aug 27; (fide Bruce Sorrie) rocky ravine Angel's Mill Pd 25 Jul 89.

*D. latifolium* (L.) Gould and Clark. S&P 79.

*D. oligosanthos* (Schultes) Gould. SPWH 579 (Fogg 514) Ganset addition 26 Jun 23.

*D. ovale* (Elliott) Gould and Clark subsp *pseudopubescens* (Nash) Freckmann and Lelong, commons panic-grass. SPWH 7578 (Buckley 3002) Thos Landers Rd 23 Jul 90. SPECIAL CONCERN.

*D. scoparium* (Lamarck) Gould. SPWH 578 (K&P 3421) E Fal 5 Aug 11.

*D. sphaerocarpon* (Elliott) Gould. SPWH 581 (Pennell 2976) Quamquiset 15 Jul 11; SPWH 7629 (Buckley 3121) Menauhant Bch Jul 90.

*D. wrightianum* (Scribner) Freckmann. SPWH 6957 (Buckley 837) nr shr of Long Pd 27 Sep 88. SPECIAL CONCERN.

#### **Digitaria** Haller, crab-grasses

*D. filiformis* (L.) Koeler, slender crab-grass. NEBC (Fernald & Bayard Long) bch Crooked Pd 23 Aug 19.

*D. ISCHAEMUM* (Schreber) Muhlenberg, smooth crab-grass. NEBC (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 6741 (Buckley 473) Gifford St nr rd to Long Pd 5 Oct 86.

*D. SANGUINALIS* (L.) Scopoli. SPWH 538 (Pennell 3415) Wds Hole 4 Aug 11; SPWH 6742 (Buckley 542) Church St cmtly 15 Aug 86.

#### **Distichlis** Rafinesque, salt-grasses

*D. spicata* (L.) Greene. Pringle Hrbm (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 7517 (RHBP 468) Gt Sippewisset Msh by rr 21 Sep 88.

#### **Echinochloa** Beauvois

*E. CRUS-GALLI* (L.) Beauvois, barnyard-grass. SPWH 2869 (Pennell 3082) edge saltmsh W Fal 23 Jul 11; SPWH 6743 (Buckley 474) Cumloden Dr 6 Aug 86.

*E. muricata* (Beauvois) Fernald var *muricata*. SPWH 7499 (RHBP 1251) W edge Rt 28a just N of Summerfld Pds 11 Oct 89.

var *microstachya* Wiegand. SPWH 7086 (Buckley 1057) unr pwrln btwn Rt 151 and Thos Landers Rd 10 Sep 89.

*E. walteri* (Pursh) Heller. SPWH 2868 (Pennell 3082) edge saltmsh W Fal 23 Jul 11.

#### **Eleusine** Gaertner

*E. INDICA* (L.) Gaertner, goose-grass. SPWH 6744 (Buckley 475) bikepath at Wds Hole Rd Fal 16 Sep 86; SPWH 6903 (Buckley 836) Osa Mannheim's gdn Fal 20 Aug 88.

#### **Elymus** L., wild ryes

*E. repens* (L.) Gould, witch-grass or quack-grass. SPWH 476 (L. Roseman) Wds Hole Jul 02; SPWH 7995 (RHBP 670) nr Childs R cranberry bog N of Carriage Shop Rd 20 Jun 89.

*E. virginicus* L., terrell-grass. NEBC (W. G. Farlow) "Wood's Holl" 10 Sep 1876; SPWH 8148 (RHBP 935) upper end of Gt Sippewisset Msh nr rr 10 Aug 89. var? .

#### **Eragrostis** von Wolf, love-grasses

*E. capillaris* (L.) Nees, lace-grass. SPWH 8139 (Buckley 917) gdn wd New Alchemy Institute Oct 91. WATCH LIST.

*E. CILLANENSIS* (Allioni) Lutati ex Janchen, stink-grass. SPWH 7063 (Buckley 1017) Gifford St nr Goodwill Pk 89.

*E. CURVULA* (Schrader) Nees, weeping love-grass. SPWH 6846 (Buckley 684) Cumloden Dr 4 Jul 87.

*E. pectinacea* (Michaux) Nees. SPWH 6747 (Buckley 478) bike path at Trunk R 6 Oct 86.

*E. spectabilis* (Pursh) Steudel, purple love-grass. NEBC (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 6750 (Buckley 481) Terry Lou Ave 30 Jul 86.

**Festuca L.**, perennial fescues

*F. FILIFORMIS* Pourret, hair-fescue. NEBC (Fernald & Bayard Long 17985) wds S of Crooked Pd 23 Aug 19; SPWH 8145 (RHBP 616) nr Childs R cranberry bog N of Carriage Shop Rd 30 May 89. LIKELY INVASIVE.

*F. OVINA* L. ?SPWH 8150 (RHBP 1265) dry lawn at WBNERR 1 May 90?.

*F. rubra* L., red fescue. NEBC (R.C.Bean) "saltmsh" 23 Jun 17; SPWH 7655 (Buckley 3128) SE end Washburn I 6 Jul 90. ssp?

**Glyceria Brown**, manna-grasses

*G. acutiflora* Torrey. NEBC (Fernald 535) "muddy pools" 9 Aug 27.

*G. canadensis* (Michaux) Trinius, rattlesnake-grass. SPWH 557 (L. Roseman) Jul 02; SPWH 6752 (Buckley 483) cranberry bog ditch Old Meetinghse Rd 6 Aug 86.

*G. grandis* Watson, reed meadow-grass. NEBC (A. H. Moore 1740) Wds Hole 29 Jun 04; SPWH 562 (Fogg 1008) wet hollow Quisset Ave 30 Jun 25.

*G. obtusa* (Muhlenberg) Trinius. SPWH 561 (Pennell 3374) Waquoit 2 Aug 11; SPWH 6753 (Buckley 484) cranberry bog ditch Old Meetinghse Rd 6 Aug 86.

*G. striata* (Lamarck) Hitchcock, fowl meadow-grass. SPWH 561 (Pennell 2861) cedar swmp Wds Hole 8 Jul 11; SPWH 8153 (RHBP 1721) W bnk Moonakis R nr working cranberry bog 26 Jun 91.

**Holcus L.**

*H. LANATUS* L., velvet-grass. SPWH 573 (Fogg 511) Gardiner Rd Wds Hole 25 Jun 23; SPWH 6754 (Buckley 485) Salt Pd Rsvn nr Elm Rd 1 Aug 86.

**Hordeum L.**

*H. VULGARE* L., barley. SPWH 7658 (Buckley 3196) nr site fmr Cape Codder Hotel 11 Jul 90.

**Leersia Swartz**, cut-grasses

*L. oryzoides* (L.) Swartz, rice cut-grass. SPWH 576 (Pennell 3394) Waquoit 2 Aug 11; SPWH 8103 (RHBP 1621) edge Crocker Pd 30 Sep 90.

**Leptochloa Beauvois**, salt-meadow grasses

*L. fusca* (L.) Kunth ssp *fascicularis* (Lamarck) Snow, salt-meadow grass. SPWH 7652 (Buckley 3162) W side pd N of Gunning Pt Aug 90. THREATENED.

**Lolium L.**, rye-grasses

*L. PERENNE* L. perennial rye-grass. SPWH 1381 (Moul 76-153) F R Lillie Rd 7 Jun 75; SPWH 6757 (Buckley 488) rdside Menauhant Bch 8 Aug 86.

**Miscanthus Andersson**

*M. SINENSIS* Andersson, eulalia. SPWH 3319 (Moul 79-80) by pkng lot Wds Hole end of bikepath 9 Oct 75; SPWH 8219 (RHBP 2053) bikepath just S of Elm Rd 5 Oct 92.

**Muhlenbergia Schreber**, muhlies

*M. schreberi* Gmelin. SPWH 7811 (Mary Hunt) Elm Rd 13 Sep 90.

*M. uniflora* (Muhlenberg) Fernald. SPWH 6758 (Buckley 489) Hayway Rd 0.5 mi E of Sandwich Rd 5 Oct 86.

**Panicum L.**, annual panic-grasses

*P. AMARUM* Elliott. S&P 79 sand pit.

*P. capillare* L., witch-grass. SPWH 6760 (Buckley 491) bikepath 1/2 mi W of Surf Dr 9 Oct 86; SPWH 8574 (RHBP 1902) nr pd E of pwrln E of Ranch Rd and N of Rt 151 4 Oct 91.

*P. dichotomiflorum* Michaux, fall panic-grass. SPWH 777 (Fogg 720) edge Weeks Pd 4 Sep 24; SPWH 8572 (RHBP 1180) unr pwrln W of Sandwich Rd nr Greenbriar Ln 27 Sep 89. var?

- P. MILIACEUM* L., hog millet. SPWH 6969 (Buckley 746) edge Grassy Pd Ashumet Holly Rsvn 5 Jul 88.  
*P. rigidulum* Bosc ex Nees. Fogg30.  
*P. verrucosum* Muhlenberg. SPWH 6929 (Buckley 806) shr Grassy Pd Ashumet Holly Rsvn 6 Sep 88; SPWH 8575 (RHBP 1908) pd SW jct Sandwich Rd and Rt 151 4 Oct 91.  
*P. virgatum* L., switch-grass. SPWH 583 (Pennell 3101) edge saltmsh W Fal 23 Jul 11; SPWH 8571 (RHBP 1013) along rr btwn Chase and Old Dock Rds 18 Aug 89.

#### **Paspalum L.**

- P. setaceum* Michaux. SPWH 801 (Pennell 3405) Waquoit 2 Aug 11; SPWH 7060 (Buckley 1045) fld at Waquoit Bay NERR 9 Aug 89. DETERMINE VAR WATCH LIST?

#### **Phalaris L., canary-grasses**

- P. ARUNDINACEA* L., reed canary-grass. SPWH 6835 (Buckley 729) Bourne Farm pasture 4 Jul 87. LIKELY INVASIVE.  
*P. CANARIENSIS* L., canary-grass. SPWH 802 (W. R. Taylor) Gardiner Rd nr Park St 29 Aug 51.

#### **Phleum L.**

- P. PRATENSE* L., timothy. SPWH 729 (Moul 75-81) bikepath nr Elm Rd 30 Jun 75; SPWH 6765 (Buckley 496) Terry Lou Ave 7 Aug 86.

#### **Phragmites Adanson**

- P. australis* (Cavanilles) Trinius ex Steudel ssp *americanus* Saltinstall, Peterson and Soreng, reed. SPWH 8998 (RHBP 2652) Payne 25-02 causeway just beyond 300 Comm land, Gt Sippewissett Msh 20 Sep 2005. WATCH LIST.

- P. AUSTRALIS* (Cavanilles) Trinius ex Steudel ssp *AUSTRALIS*. SPWH 806 (Moul 6531) cranberry bog by Turtle Pd 23 Aug 49. SPWH 8995 (RHBP 2649) Payne 25-10 Gt. Sippewissett Msh near RR track. INVASIVE.

#### **Piptatherum Beauvois**

- P. pungens* (Torrey ex Sprengel) Dorn. S&P79.

#### **Piptochaetium J. S. Presl**

- P. avenaceum* (L.) Parodi, black oat-grass. SPWH 848 (Fogg 721) Gardiner Rd 25 Jun 24. WATCH LIST.

#### **Poa L., bluegrasses**

- P. ANNUA* L., annual bluegrass. SPWH 6766 (Buckley 497) Goodwill Pk 20 Sep 86.  
*P. COMPRESSA* L., Canada bluegrass. SPWH 6767 (Buckley 498) off access rd from Gifford St to Long Pd 8 Sep 86; SPWH 6844 (Buckley 682) Bourne Farm 4 Jul 87.  
*P. palustris* L., fowl-bluegrass. SPWH 807 (Pennell 3003) Wds Hole 20 Jul 11.  
*P. PRATENSIS* L., Kentucky bluegrass. SPWH (RHBP 40) Crane WMA 24 Jun 88. MISSING.

#### **Schedonorus Beauvois**

- S. PRATENSIS* (Hudson) Beauvois, meadow-fescue. NEBC (E. F. Williams) 14 Jul 11; SPWH 6751 (Buckley 482) rotary nr Terry Lou Ave 11 Aug 86.

#### **Schizachyrium Nees**

- S. scoparium* (Michaux) Nash, little bluestem. SPWH 1148 (Moul 76-16) bikepath Fay's Wds 9 Oct 75; SPWH 8569 (RHBP 998) along rr nr Bourne Farm 18 Aug 89.

#### **Secale L.**

- S. CEREALE* L., rye. SPWH 6920 (Buckley 834) Gifford St nr shed in nursery in town forest 15 Jul 88.

#### **Setaria Beauvois, foxtails**

- S. FABERI* Herrmann ex Rosen, SPWH 6768 (Buckley 499) access rd to Long Pd off Gifford St 10 Aug 86.  
*S. parviflora* (Poiret) Kerguelen, knot-root foxtail. SPWH 7475 (RHBP 1148) W side of Coonamessett R arm of Great Pd 200 yds S of Rt 28 14 Sep 89; SPWH 7530 (RHBP 1492) E side Washburn I just S of "*Liatris* fld"

21 Aug 90. SPECIAL CONCERN. This plant lives on the slightly higher ground a few feet from the saltmarsh edge and seems to occur fairly often in Falmouth.

*S. PUMILA* (Poiret) Roemer and Schultes, pigeon-grass. SPWH 926 (Moul 75-166) F R Lillie Rd 7 Oct 75; SPWH 6769 (Buckley 500) Mill Rd 1/4 mi from Surf Dr 9 Sep 86.

#### **Sorghastrum** Nash

*S. nutans* (L.) Nash, Indian-grass. SPWH 811 (Fogg 515) S from Hbr Hse Quissett Hbr 4 Sep 23; SPWH 8213 (Buckley) NE crnr dry fld 3/5 mi NE of jct Rt 151 and Ranch Rd Crane WMA Oct 92.

#### **Spartina** Schreber, saltmarsh-grasses

*S. alterniflora* Loiseleur, saltwater-cordgrass. SPWH 815 (Moul 7021) Gt Pd 27 Jul 50.

*S. x caespitosa* Eaton (patens x pectinata). S&P79.

*S. cynosuroides* (L.) Roth, salt-reedgrass. Wds Hole 1922 (where did this note come from? NEBC?) The two Hellquist records in MNHP data-base for jct of Oyster Pd Rd and Shore Rd for 1975 are taken to be *pectinata*. Not listed by Fogg for the Elizabeth Islands. Good recent records for Sandwich. THREATENED

*S. patens* (Aiton) Muhlenberg, high-water grass. SPWH 838 (Pennell 3017) saltmsh Wds Hole 20 Jul 11; SPWH 6771 (Buckley 502) Menauhant Bch 4 Aug 86.

*S. pectinata* Link, prairie-cordgrass. SPWH 842 (Pennell 3100) saltmsh W Fal 23 Jul 11; SPWH 6196 (Moul 83-3) edge of Chara Pd by Trunk R pkng lot 4 Oct 82.

#### **Sphenopholis** Scribner

*S. nitida* (Biehler) Scribner. SPWH 7648 (Buckley 1043) bikepath Aug 88. THREATENED. CHECK ID.

#### **Sporobolus** Brown

*S. vaginiflorus* (Torrey ex Gray) Wood, poverty-grass. SPWH 7656 (Buckley 3137) pistol range nr SE shr Long Pd 29 Sep 90.

#### **Torreyochloa** Church

*T. pallida* (Torrey) Church. SPWH 559 (Fogg 2466) boggy thicket 1 mi W of Fal 9 Aug 27; SPWH 7997 (RHBP 489) nr Coonamessett R cranberry bogs by John Parker Rd 23 Sep 88. CHECK var

#### **Tridens** Roemer and Schultes

*T. flavus* (L.) Hitchcock, purpletop. SPWH 7453 (RHBP 1062) W bnk rr btwn Old Main Rd and County Rd N Fal 25 Aug 89.

#### **Triplasis** Beauvois

*T. purpurea* (Walter) Chapman, sand-grass. SPWH 6773 (Buckley 504) bikepath nr Surf Dr 25 Aug 86.

#### **Vulpia** Gmelin, annual fescues

*V. MYUROS* (L.) Gmelin. Fogg30.

*V. octoflora* (Walter) Rydberg, six-weeks fescue. Fogg30.

#### **Zizania** L.

*Z. aquatica* L., wild rice. SPWH 7659 (Buckley 3185) isl Moonakis R Sep 90. WATCH LIST. CHECK SPECIES; MAYBE PALUSTRIS.

### Pontederiaceae

#### **Pontederia** L.

*P. cordata* L., pickerel weed. SPWH 26 (K&P 3283) Grews Pd 29 Jul 11; SPWH 6459 (Boretos and McLean) W shr Wings Pd 15 Jul 83.

### Potamogetonaceae

#### **Potamogeton** L., pondweeds

*P. bicupulatus* Fernald. NEBC (Fogg 1765) Wds Hole "shallow pond in grassy hollow in woods" 14 Jul 26.

## CHECK IDENTIFICATION.

*P. CRISPUS* L. SPWH 8542 ( RHBP 2558) N end Oyster Pd 23 Sep 99. INVASIVE.

*P. epiphydrus* Rafinesque. SPWH 405 (Pennell 3367) Childs R Waquoit 2 Aug 11; SPWH 8158 (RHBP 288) fresh Bourne Pd 30 Aug 88.

*P. oakesianus* Robbins. NEBC (Fernald & Bayard Long 17805) "quagmire at north end of Crooked Pnd" 23 Aug 19; SPWH 7771 (RHBP 1574) pnd NW of "causeway" at N end of Crooked Pnd 31 Aug 90.

*P. perfoliatus* L. NEBC (A. W. Cheever) Fal Hts 17 Jul 10; SPWH 390 (Fogg 1002) S end Oyster Pd nr bridge 4 Jul 25; SPWH (RHBP 1191) S edge Nobska Pd 6 Oct 89.

*P. pusillus* L. H&C80 map 19.

*P. spirillus* Tuckerman. NEBC (Fernald & Bayard Long 17809) Crooked Pd 23 Aug 19; SPWH 3425 (Moul 10110) bog strm nr Sam Turner Rd 29 Jul 50.

**Stuckenia** Börner

*S. pectinata* (L.) Bömer. NEBC (W. Deane) "filling one end of a pond near the beach" 1 Jul 1895; SPWH 395 (Moul 1428) Sippewisset Msh 3 Jul 46.

## Ruppiaceae

**Ruppia** L., ditch-grasses

*R. maritima* L. NEBC (H. St. John 406) "tidal inlet West Falmouth" 4 Sep 11; SPWH 740 (Moul 75-122) Salt Pd 14 Jul 75.

## Ruscaceae

**Convallaria** L.

*C. MAJALIS* L., lily-of-the-valley. SPWH 7371 (RHBP 23) Quissett Campus wds 24 May 88.

**Maianthemum** Wiggers

*M. canadense* Desfontaines, Canada mayflower. SPWH 185 (Pennell 2898) moist wds Wds Hole 9 Jul 11; SPWH 7730 (RHBP 1383) by Coonamessett R 200 yds S of Coonamessett Pd 25 Jun 90.

*M. racemosum* (L.) Link, false Solomon's-seal. SPWH 194 (Pennell 3085) edge of saltmsh W Fal 23 Jul 11; SPWH 3316 (Moul 80-28) Quissett Campus wds 10 Aug 76.

*M. stellatum* (L.) Link, starry Solomon's-seal. SPWH 8066 (RHBP 1686) N part Washburn I 24 May 91.

**Polygonatum** Miller

*P. biflorum* (Walter) Elliott, great Solomon's-seal. SPWH 1686 (Moul 77-4) oak wds F R Lillie Rd 14 Oct 76.

*P. pubescens* (Willdenow) Pursh, small Solomon's-seal. SPWH 448 (Moul 74-167) Quissett Campus oak/hickory wds 25 May 74; SPWH 7544 (RHBP 1327) Quissett Campus wds nr Gosnold 4 Jun 90.

## Smilacaceae

**Smilax** L., green briers

*S. glauca* Walter, saw-brier. NEBC (J. R. Churchill) N Fal 4 Jul 1894; SPWH 7379 (RHBP 134) rr track Gt Sippewisset Msh 19 Jul 88.

*S. herbacea* L., carrion-flower. NEBC (H. St. John 31) "thicket along a stone wall" 2 Sep 11; SPWH 3311 (Moul 80-12) Salt Pd Rsvn 7 Jul 76.

*S. rotundifolia* L., cat-brier. SPWH 200 (Pennell 3515) Wds Hole 8 Aug 11; SPWH 8060 (RHBP 1759) wds near WHOI's Shore Lab 31 Jul 91.

## Typhaceae

**Sparganium** L., bur-reeds COLLECT

*S. americanum* Nuttall. NEBC (W. G. Farlow) "Wood's Holl" Aug 1876; SPWH 3455 (Moul 80-60) pd at Childs R and Carriage Shop Rd 2 Aug 76.

*S. androcladum* (Engelmann) Morong. SPWH 8144 (RHBP 123) ditch Coonamessett R cranberry bog nr John Parker Rd 13 Jul 88. WATCH LIST. CHECK ID.

*S. eurycarpum* Engelmann ex Gray. SPWH 383 (E. A. Simons) ditch nr Nobska Light 9 Jul 01; SPWH 384 (Moul 7266) Coonamessett R arm Gt Pd 1 Aug 50.

#### **Typha** L.

*T. angustifolia* L., narrow-leaved cat-tail. NEBC (C. F. Batchelder 583, 584) Wild Hbr 11 Aug 06; SPWH 7529 (RHBP 1417) SE crnr of Washburn I 7 Jul 90.

*T. x glauca* Godron (*angustifolia* x *latifolia*). NEBC (P. Batchelder) Wild Hbr 24 Aug 06.

*T. latifolia* L., common cat-tail. SPWH 375 (Pennell 3197) msh above Eel Pd 27 Jul 11; SPWH 1664 (Moul 77-32) pd at Childs R and Carriage Shop Rd 2 Aug 76.

#### Xyridaceae

##### **Xyris** L., yellow-eyed grasses

*X. difformis* Chapman. SPWH 0032 (K&P 3262) bog nr Long Pd 29 Jul 11; SPWH 7567 (RHBP 1230) boggy pnd S of jct Gifford St and Brick Kiln Rd 10 Oct 89.

*X. smalliana* Nash. SPWH 0034 (K&P 3240) bog btwn Long and Mares Pds 29 Jul 11; SPWH 7571 (RHBP 1631) muddy flat in pd along pwrln just N of Rt 151 and just E of Ranch Rd 1 Oct 90. WATCH LIST.

*X. torta* Smith. SPWH 0035 (Fogg 754) Weeks Pd 4 Sep 24; SPWH 7569 (RHBP 865) bog by Bowerman's Bchhse 1 Aug 89.

#### Zannichelliaceae

##### **Zannichellia** L.

*Z. palustris* L., horned pondweed. NEBC (Fogg 2305) Oyster Pd 25 Jul 27.

#### Zosteraceae

##### **Zostera** L.

*Z. marina* L., eel-grass. NEBC (E. F. Williams) Fal Hts 6 Jul 11.



**TRICOLPATES****Adoxaceae****Sambucus L.**

*S. nigra* L. ssp. *canadensis* (L.) Bolli, elderberry. SPWH 2267 (L. Roseman) Quissett Jul 02; SPWH 2287 (Moul 77-68) Salt Pd Rsvn 7 Jun 76.

**Viburnum L.**

*V. acerifolium* L., maple-leaved viburnum. SPWH 2248 (Pennell 2892) dry wds Wds Hole 9 Jul 11; SPWH 8985 (RHBP 2655) wds behind WH Res Ctr Jun 2005.

*V. dentatum* L. var. *venosum* (Britton) Gleason, southern arrowwood. SPWH 2266 (E. A. Simons) Nobska Pt 9 Jul 01; SPWH 5577 (Moul 82-12) off Oyster Pd Rd 20 Oct 82.

var. *lucidum* Aiton, northern arrowwood. SPWH 1133 (Moul 76-41) Salt Pd Rsvn 19 Aug 75; SPWH 8172 (RHBP 1751) Salt Pd Rsvn nr Elm Rd 31 Jul 91.

*V. nudum* L. var. *cassinoides* (L.) Torrey and Gray, wild raisin. SPWH 2249 (K&P 3208) Fal 29 Jul 11; SPWH 1380 (Moul 76-107) Salt Pd Rsvn nr Mill Rd 13 May 76.

**Amaranthaceae****Amaranthus L., pigweeds**

*A. hybridus* L. SPWH 8167 (RHBP 1204) wd in town nursery on Gifford St 7 Oct 89.

*A. retroflexus* L. Fogg30.

**Atriplex L., orachs**

*A. cristata* Humboldt and Bonpland ex Willdenow, sea-beach orach. NEBC (J. R. Churchill) W Fal 1 Sep 94; SPWH 2402 (Moul 77-139) Nobska Pt 29 Sep 77.

*A. littoralis* L. NEBC (Fernald and Weatherby) Quissett Hbr 20 Sep 18.

*A. prostrata* Boucher ex de Candolle, halberd-leaved orach. SPWH 1457 (Pennell 3341) Wds Hole 31 Jul 11; SPWH 7095 (Buckley 1072) Menauhant Bch 10 Sep 89.

LOOK FOR GLABRIUSCULA WITH SPARTINA PATENS.

**Bassia Allioni**

*B. HIRSUTA* (L.) Ascherson. SPWH 3086 (Moul 63-28) bch at Chara Pd 10 Jun 63; SPWH 7395 (RHBP 370) Black Bch 8 Sep 88.

**Chenopodium L.**

*C. ALBUM* L., lamb's quarters. NEBC (C. F. Batchelder) Wild Hbr 23 Aug 06; SPWH 8513 (RHBP 2597) Quisset Hbr Rd across from boatyard 7 Nov 99.

*C. berlandieri* Moquin var. *macrocalycium* (Aellen) Cronquist, sea-beach goosefoot. SPWH 8653 (RHBP 323) Gravel pit just N of Gifford St entr to Goodwill Pk 2 Sep 88; SPWH 8652 (RHBP 2128) bch at WHOI's Shore Lab 6 Oct 94.

*C. rubrum* L., coast blite. NEBC (J. R. Churchill) W Fal 1 Sep 1894.

**Dysphania Brown**

*D. AMBROSIOIDES* (L.) Mosyakin and Clemants, Mexican tea. NEBC (Fernald and Weatherby 16777) Quissett Hbr 20 Sep 18; SPWH 7094 (Buckley 1039) Menauhant Bch S of bridge 20 Sep 89.

*D. PUMILIO* (Brown) Mosyakin & Clemants. Occurs on Penikese.

**Froelichia Moench**

*F. GRACILIS* (Hooker) Moquin SPWH 9304 (I. Kadis & A. Zinovjev) Crane WMA N side rt 151 41.6302°N 70.5571°W 26 Sep 2011.

**Salicornia L., glassworts**

*S. ambigua* Michaux, perennial glasswort. NEBC (F.S. Collins) N Fal 20 Sep 1885; SPWH 2406 (Moul 77-150) edge of msh W Fal Hbr at Chappaquoit Rd 7 Sep 77.

*S. bigelovii* Torrey, dwarf saltwort. NEBC (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 7396 (RHBP 375) Gt Sippewisset Msh nr Black Bch 8 Sep 88.

*S. depressa* Standley, samphire. NEBC (W. G. Farlow) "Wood's Holl" 30 Aug 1876; SPWH 7397 (RHBP 376) Gt Sippewisset Msh nr Black Bch 8 Sep 88.

#### **Salsola L.**

*S. kali* L., saltwort. NEBC (W. G. Farlow) "Wood's Holl" Aug 1876; SPWH 7394 (RHBP 369) Black Bch 8 Sep 88. ssp?

#### **Suaeda** Forskål ex Scopoli, sea-blites

*S. linearis* (Elliott) Moquin, southern sea-blite. SPWH 1422 (Moul 76-157) saltmsh Chappaquoit Rd 16 Sep 76.

*S. maritima* (L.) Dumortier, white sea-blite. NEBC (C.F. Batchelder) Wild Hbr 23 Aug 06; SPWH 7518 (RHBP 371) Black Bch 8 Sep 88. ssp? WATCH LIST?

### **Anacardiaceae**

#### **Rhus** L., sumacs

*R. copallinum* L. var *latifolia* Engler, dwarf sumac. SPWH 1889 (K&P 3295) Fal 29 Jul 11; SPWH 7407 (RHBP 480) along rr track at upper edge of Gt Sippewisset Msh 21 Sep 88.

*R. glabra* L., smooth sumac. SPWH 1891 (L. Roseman) Wds Hole Jul 02; SPWH 1668 (Moul 77-7) bikepath nr Moors Clubhse 23 Oct 76.

*R. hirta* (L.) Sudworth, staghorn-sumac. SPWH 1897 (L. Roseman) "Pensance" Jul 02; SPWH 7410 (RHBP 537) Quissett Campus wds 16 Oct 88.

#### **Toxicodendron** Miller

*T. radicans* (L.) Kuntze, poison ivy. SPWH 1894 (Fogg 548) Ganset wds 29 Jun 23; SPWH 453 (Moul 74-185) Salt Pd Rsvn 7 Oct 74. "Of all the places which I know, Falmouth may pride itself on having the most poison ivy; it is practically everywhere" (Lewis 1896).

*T. vernix* (L.) Kuntze, poison sumac. SPWH 1898 (K&P 3278) Grews Pd 29 Jul 11; SPWH 452 (Moul 74-186) Salt Pd Rsvn 7 Oct 74. "By no means rare [in Falmouth]", says Lewis (1896).

### **Apiaceae**

#### **Aegopodium** L.

*A. PODAGRARIA* L., goutweed. SPWH 8065 (RHBP 1715) gdn wd 244 Woods Hole Rd 31 May 91.

#### **Aethusa** L.

*A. CYNAPIUM* L., fool's parsley. SPWH 7581 (Mary Hunt) bikepath 6 Aug 90.

#### **Angelica** L.

*A. lucida* L. SPWH 2027 (Pennell 2920) "along street near Botanical Lab., Woods Hole" 10 Jul 11; SPWH 7547 (RHBP 1406) along rr track at Gt Sippewisset Msh Jul 90. WATCH LIST.

#### **Aralia** L.

*A. ELATA* (Miquel) Seemann, prickly ash. SPWH 7740 (Mary Hunt) bikepath nr Locust St 31 Oct 90; SPWH 9291 (PTP 0387) edg wds 6 Haynes Rd (2) 17 Sep 2011.

*A. hispida* Ventenat, bristly sarsaparilla. SPWH 8202 (RHBP 1952) Technology Park Drive 23 June 92.

*A. nudicaulis* L., wild sarsaparilla. SPWH 2026 (Pennell 3349) Wds Hole 1 Aug 11; SPWH 7369 (RHBP 19) Quissett Campus wds 24 May 88.

#### **Carum** L.

*C. CARVI* L., caraway. SPWH 2352 (Moul 77-138) bikepath at Elm Rd 22 Jul 77.

**Cicuta L.**

*C. maculata* L., water hemlock. SPWH 3445 (Moul 80-4) Salt Pd Rsvn 7 Jul 76.

**Daucus L.**

*D. CAROTA* L., Queen Anne's lace. SPWH 2028 (Pennell 3052) Wds Hole 22 Jul 11; SPWH 7548 (RHBP 1405) edge of School St nr Eel Pd strm 2 Jul 90.

"[An]other notable weed in Falmouth is the wild Carrot, ...its umbels make many a Falmouth field in midsummer look a great snowdrift. This is the plant from which cultivated carrots have been derived...so that the chief agricultural occupation of Falmouth may be said to be pulling carrots to plant turnips." (Lewis, 1896).

**Hedera L.**

*H. HELIX* L., English ivy. SPWH 9287 (RHBP 2705) forest and gdn wd 244 Wds Hole Rd 30 Jan 2012.

**Heracleum L.**

*H. maximum* Bartram, masterwort. SPWH 691 (Moul 75-71) Elm Rd 16 Jun 75; SPWH 2960 (Moul 78-35) Salt Pd Rsvn 16 Jun 78.

**Hydrocotyle L.**, water-pennyworts

*H. umbellata* L. S&P79 Wds Hole.

*H. verticillata* Thunberg. NEBC (?W G. Farlow?) Nobska Pd 10 Sep 1876; NEBC (Thomas Morong) Wds Hole 10 Aug 1877. THREATENED.

**Ligusticum L.**

*L. scothicum* L., lovage. SPWH 7398 (RHBP 381) N shr Quissett Hbr S of Harbor Hse 13 Sep 88.

**Lilaeopsis Greene**

*L. chinensis* (L.) Kuntze. SPWH 7533 (RHBP 1531) W shr brackish Moonakis R 28 Aug 90. WATCH LIST.

**Ptilimnium L.**

*P. capillaceum* (Michaux) Rafinesque, mock bishop's-weed. SPWH 2041 (Moul 7059) Coonamesett R arm Great Pd 1 Aug 50; SPWH 7463 (RHBP 928) Gt Sippewisset Msh by rr track 10 Aug 89.

**Sanicula L.**, black snakeroots

*S. marilandica* L. SPWH 2048 (Pennell 2887) Wds Hole 9 Jul 11; SPWH 2047 (Fogg 558) rd to Fal Wds Hole 25 Jun 23.

**Sium L.**

*S. suave* Walter, water-parsnip. SPWH 2050 (E. A. Simons) edge swmp Fay's Wds 26 Jul 01; SPWH 7535 (RHBP 1591) border Harper's Pd 12 Sep 90.

**Apocynaceae****Apocynum L.**

*A. androsaemifolium* L., dogbane. SPWH 2134 (Fogg 1076) along rr 1 1/2 mi NE of Wds Hole 29 Jun 25; SPWH 8630 (RHBP 799) N of Fresh Pd 20 Jul 89.

*A. cannabinum* L., Indian-hemp. SPWH 3300 (Moul 880-22) bikepath Wds Hole 26 Jul 76; SPWH 8628 (RHBP 1409) Harbison property W side Rt 28 opp Braeside Rd 6 Jul 90.

*A. x floribundum* Greene. SPWH 2132 (Kenoyer 2926) Fal 12 Jul 11.

**Asclepias L.**, milkweeds.

*A. amplexicaulis* Smith, blunt-leaved milkweed. SPWH 2136 (Fogg 1072) sandy wds W Fal 12 Jul 25; (I. Kadis & A. Zinovjev) Crane WMA 41.6349°N 70.5550°W 25 Sep 2011.

*A. exaltata* L., poke-milkweed. SPWH 2145 (Fogg 1075) edge wds W Fal 12 Jul 25.

*A. incarnata* L. var *pulchra* (Ehrhart ex Willdenow) Woodson, swamp-milkweed. SPWH 2147 (E. A. Simons) "swamp border N. of laboratory" 22 Jul 01; SPWH 7065 (Buckley 1028) E shr Bourne Pd Waquoit 22 Jul

89.

*A. purpurascens* L. 300 yds SW of jct Sandwich Rd and Rt 151 nr foot of filled slope of gas stn 19 Jul 98 PTP and M. DiGregorio. Not collected, but the single plant viewed by BCCCI Jul 2006. ENDANGERED.

*A. syriaca* L., common milkweed. SPWH 2144 (Pennell 3501) Wds Hole 8 Aug 11; SPWH 3327 (Moul 80-3) Salt Pd Rsvn 7 Jul 76.

*A. tuberosa* L., butterfly-weed. SPWH 2141 (Fogg 1073) along rr 1 1/2 mi NE of Wds Hole 16 Jul 25; SPWH 7058 (Buckley 1015) nr tennis ct E side Whistler's Way Waquoit 22 Jul 89. WATCH LIST.

*A. verticillata* L., whorled milkweed. Wds Hole 1884 (Mass Nat Her Prog). THREATENED.

#### **Cynanchum** L.

*C. LOUISEAE* Kartesz and Gandhi, black swallow-wort. SPWH 2138 (W.R. Taylor) Crow Hill Wds Hole Jul 19; SPWH 6948 (Buckley 833) Loeb Bldg gdn 5 Jul 88. INVASIVE.

#### **Vinca** L.

*V. MINOR* L., periwinkle. SPWH 628 (Moul 75-21) Wds Hole 25 April 75.

### **Aquifoliaceae**

#### **Ilex** L., hollies

*I. glabra* (L.) Gray, inkberry. SPWH 1899 (Pennell 3369) Waquoit 2 Aug 11; SPWH 6151 (C.D. Boretos) nr Wild Hbr 3 Nov 82.

*I. laevigata* (Pursh) Gray, smooth winterberry. SPWH 1902 (Pennell 2868) Wds Hole 8 Jul 11.

*I. mucronata* (L.) Powell, Savol & Andrews, mountain-holly. S&P79.

*I. opaca* Aiton, American holly. S&P79. This plant, though native to Falmouth, is much less abundant here than it is just to the east in the towns of Mashpee and Barnstable.

*I. verticillata* (L.) Gray, winterberry. SPWH 1905 (Fogg 2404) Racing Bch 9 Aug 27; SPWH 6810 (E. P. Armstrong) edge of cedar swmp nr MBL's Memorial Circle 30 Jan 86.

### **Asteraceae**

#### **Achillea** L.

*A. millefolium* L. ssp *lanulosa*, yarrow. SPWH 177 (E. A. Simons) rdside Wds Hole 28 Jul 01; SPWH 3280 (D. Zinn) nr The Knob Jun 79, the pink variant. SPWH 7782 (RHBP 593) dry fld W of Turpentine Rd 1/2 mi N of Rt 151 Crane WMA 24 May 89. WATCH LIST.

#### **Ambrosia** L.

*A. artemisiifolia* L., ragweed. SPWH 2512 (Pennell 3521) Wds Hole 8 Aug 11; SPWH 2408 (Moul 77-152) Chappaquoit Rd 7 Sep 77.

#### **Anaphalis** de Candolle.

*A. margaritacea* (L.) Benth and Hooker, pearly everlasting. SPWH 2513 (E. A. Simons) "woodland, near laboratory" 22 Jul 01; SPWH 2381 (Moul 77-132) bikepath in Fay's Wds 11 Aug 77.

#### **Antennaria** Gaertner, pussytoes.

*A. howellii* Greene ssp *neodioica* (Greene) Bayer. SPWH 2510 (Pennell 3385) Waquoit 2 Aug 11. RE-IDENTIFY.

*A. neglecta* Greene. SPWH 8163 (RHBP 595) gravel pit on Crane WMA NW of Nickelodeon Theatre 24 May 89.

*A. plantaginifolia* (L.) Richardson. SPWH 8162 (RHBP 567) edge of wds rd nr SE shr Long Pd 16 May 89.

#### **Anthemis** L.

*A. COTULA* L., mayweed. SPWH 2509 (Pennell 3106) Wds Hole 24 Jul 11.

#### **Arctium** L.

*A. MINUS* (Hill) Bernhardt, burdock. SPWH 2507 (Pennell 3109) Wds Hole 24 Jul 11; SPWH 2742 (Moul

78-19) Wds Hole Rd at F R Lillie Rd 9 Sep 77.

**Artemisia L.**

*A. campestris* L. ssp *caudata* (Michaux) Hall and Clements, tall wormwood. SPWH 2611 (Pennell 3089) W Fal 23 Jul 11; SPWH 7763 (RHBP 958) NE shr Washburn I 14 Aug 89.

*A. LUDOVICIANA* Nuttall, western mugwort. SPWH 7449 (RHBP 1130) unr pwrln nr Hatchville Rd N of jct of that rd and Sandwich Rd 13 Sep 89. CHECK

*A. STELLERIANA* Besser, dusty miller. SPWH 3006 (Moul 3057) Chappaquoit Bch 28 Jun 47; SPWH 7738 (RHBP 1377) S bch Washburn I 22 Jun 90.

*A. VULGARIS* L., common mugwort. SPWH 2613 (Fogg 1086) Wds Hole Rd Wds Hole 19 Jul 25; SPWH 7040 (Buckley 1018) E side Coonamessett R at Rt 28 3 Sep 89.

**Baccharis L.**

*B. halimifolia* L., groundsel tree. SPWH 443 (Moul 74-161) Surf Dr 21 Sep 74; SPWH 7399 (RHBP 386) N shr Quissett Hbr SW of Yacht Club 13 Sep 88.

**Bellis L.**

*B. PERENNIS* L., English daisy. Lawn wd Irini Shea Old Main Rd N Fal.

**Bidens L., beggar's-ticks**

*B. cernua* L. SPWH 8189 (Mary Hunt) Moonakis R 13 Sep 92.

*B. connata* Muhlenberg ex Willdenow. SPWH 3426 (Moul 80-59) shr Shiverick's Pd nr Bates Dr 9 Sep 75; SPWH 7284 (RHBP 1242) nr pd btwn Hamlin and Gunning Pts 11 Oct 89.

*B. frondosa* L. SPWH 3274 (Moul 79-23) pkng lot Main St 5 Nov 77; SPWH 7286 (RHBP 1156) W side Coonamessett R arm Gt Pd at Falpt 14 Sep 89.

**Centaurea L., knapweeds**

*C. JACEA* L., brown knapweed. SPWH 7733 (RHBP 676) fld NW of Nickelodeon Theatre Crane WMA 21 Jun 89.

*C. NIGRA* L., black knapweed. SPWH 8076 (Mary Hunt) bikepath btwn Locust St and Elm Rd 31 Jul 91.

*C. STOEBE* L. ssp *MICRANTHOS* (Gmelin) Hayek, spotted knapweed. SPWH 987 (Moul 75-156) weedy fld Scranton Ave 26 Jul 75; SPWH 5569 (C.D. Boretos) Gifford St 24 Oct 82. LIKELY INVASIVE.

**Cichorium L.**

*C. INTYBUS* L., chicory. SPWH 2625 (K&P 3473) N Fal 5 Aug 11; SPWH 7728 (RHBP 1607) 244 Wds Hole Rd 17 Sep 90.

**Cirsium Miller, thistles**

*C. ARVENSE* (L.) Scopoli, Canada-thistle. SPWH 2840 (Pennell 3051) Wds Hole 22 Jul 11; SPWH 8210 (RHBP 2026) gdn wd 244 Wds Hole Rd 23 Sep 92.

*C. discolor* (Muhlenberg ex Willdenow) Sprengel, field-thistle. SPWH 2842 (Fogg 826) rr bnk 1/2 mi E of Wds Hole 22 Aug 24; SPWH 1363 (Moul 76-139) trail to Moor's bch 1 Sep 76.

*C. horridulum* Michaux, yellow thistle. SPWH 2843 (Pennell 3062) Wds Hole 22 Jul 11; SPWH 7482 (RHBP 706) Salt Pd Rsvn 26 Jun 89. WATCH LIST.

*C. pumilum* (Nuttall) Sprengel, pasture-thistle. SPWH 2845 (K&P 3464) N Fal 5 Aug 11; SPWH 7723 (RHBP 1464) fld NE of Tim's Pd Washburn I 19 Jul 90.

*C. VULGARE* (Savi) Tenore, bull-thistle. SPWH 7734 (RHBP 1019) rr behind W Fal PO 18 Aug 89.

**Coreopsis L., tickseeds**

*C. rosea* Nuttall, rosy tickseed. SPWH 2852 (Pennell 3364) pd margin Waquoit 2 Aug 11; SPWH 7520 (RHBP 202) NE side Spectacle Pd (E of Mares Pd) 7 Aug 88.

**Crepis L., hawksbeards**

*C. CAPILLARIS* (L.) Wallroth, smooth hawksbeard. SPWH 2962 (Moul 78-46) pkng lot jct Mill Rd and Surf Dr 15 Nov 76.

**Doellingeria** Nees, asters

*D. umbellata* (Miller) Nees, flat-topped aster. SPWH 7157 (RHBP 481) rr track nr Gt Sippewisset Msh 21 Sep 88.

**Echinacea** Moench

*E. PALLIDA* (Nuttall) Nuttall, purple coneflower. S&P79.

**Erechtites** Rafinesque

*E. hieraciifolius* (L.) Rafinesque ex de Candolle var *hieraciifolius*, fireweed. SPWH 3338 (Fogg 832) pine wds Ganset addition 11 Sep 24; SPWH 7721 (RHBP 950) along rr btwn Sacconeset Hills and Palmer Ave 10 Aug 89.

var *megalocarpus* (Fernald) Cronquist. SPWH 7542 (RHBP 1043) E shr Washburn I 23 Aug 89.  
Lewis (1896) notes the species as one of Falmouth's two "fireweeds" and "very prominent".

**Erigeron** L., fleabanes

*E. annuus* (L.) Persoon, daisy-fleabane. SPWH (RHBP 84) bikepath N of Elm Rd 9 Jul 88. MISSING. RE  
*E. canadensis* L., horseweed. SPWH 2628 (K&P 3216) Fal 29 Jul 11; SPWH 2384 (Moul 77-127) bikepath at Nobska Rd 11 Aug 77; (RHBP 1065) rr track btwn Fal/Bourne line and County Rd 25 Aug 89.  
*E. strigosus* Muhlenberg ex Willdenow, rough fleabane. SPWH 2858 (K&P 3253) Long Pd 29 Jul 11; SPWH 7050 (Buckley 1003) Gifford St nr Goodwill Pk 24 Jul 89. CHECK VAR

**Eupatorium** L., thoroughworts

*E. ALTISSIMUM* L., white snakeroot. SPWH 1143 (Moul 76-28) bikepath nr Church St 9 Oct 75; SPWH 7411 (RHBP 539) Quisset Campus wds 16 Oct 88.  
*E. hyssopifolium* L., hyssop-leaved boneset. SPWH 2700 (Moul 78-14) nr Grassy Pd Ashumet Holly Resvn 9 Sep 75; SPWH 3267 (Moul 79-38) same 7 Sep 76.  
*E. perfoliatum* L., boneset. SPWH 6897 (E. P. Armstrong) Ashumet 17 Sep 86.  
*E. pilosum* Walter. SPWH 7468 (RHBP 866) bog by Bowerman's Bchhse 1 Aug 89.

**Eurybia** Cassini, asters

*E. divaricata* (L.) Nesom, white wood aster. SPWH 2529 (Fogg 825) Harpers Pd 10 Sep 23; SPWH 4344 (Moul 81-20) F R Lillie Rd 5 Oct 81.  
*E. macrophylla* (L.) Cassini, large-leaved aster. SPWH 2530 (Pennell 3072) wds Quamquisset 23 Jul 11.  
*E. spectabilis* (Aiton) Nesom, showy aster. SPWH 7151 (RHBP 525) Crane WMA nr Turpentine Rd 6 Oct 88.

**Euthamia** Nuttall ex Cassini

*E. caroliniana* (L.) Greene ex Porter and Britton, slender-leaved goldenrod, SPWH 3402 (Moul 6447) shallow wtr Twin Pds 9 Aug 49; SPWH 8243 (RHBP 178) N side pnsla at SE edge Long Pd 5 Aug 88.  
*E. graminifolia* (L.) Nuttall, grass-leaved goldenrod. SPWH 3400 (K&P 3275) edge Long Pd 29 Jul 11; SPWH 8246 (RHBP 382) N shr Quisset Hbr 13 Sep 88.

**Eutrochium** Rafinesque

*E. dubium* (Willdenow ex Poirlet) Lamont, Joe-Pye weed. SPWH 3346 (K&P 3424) E Fal 5 Aug 11; SPWH 8226 (RHBP 1753) Salt Pd Rsvn 31 Jul 91.  
*E. fistulosum* (Barratt) Lamont, Joe-Pye weed. W edge S end of dual Rt 28 7 Sep 89 (fide Bruce Sorrie).

**Galinsoga** Ruiz and Pavón

*G. QUADRIRADIATA* Ruiz and Pavón, hairy quickweed. SPWH 919 (Moul 75-167) flr bdr F R Lillie Rd 7 Oct 75; SPWH 7678 (Buckley 3189) wd NAI 30 Sep 90.

**Gamochaeta** Weddell

*G. purpurea* (L.) Cabrera, purple cudweed. NEBC (W. G. Farlow) "Wood's Holl" Aug 1879; Wds Hole Aug 1884 (Mass Nat Her Prog). ENDANGERED.

**Gnaphalium** L.

*G. uliginosum* L., low cudweed. NEBC (W. G. Farlow) "Wood's Holl" Aug 1879.

**Helenium L.**, sneezeweeds

*H. flexuosum* Rafinesque, purple-headed sneezeweed. SPWH 7479 (RHBP 804) in wds path N of Fresh Pd 20 Jul 89.

**Helianthus L.**, sunflowers

*H. divaricatus* L. SPWH 3355 (Pennell 3076) W Fal 23 Jul 11; SPWH 8195 (Mary Hunt) N of Ockway Rd 5 Aug 92.

*H. strumosus* L. SPWH 3356 (Fogg 2435) dry rdside nr Gunning Pt 9 Aug 27; SPWH 5515 (Moul 79-15) Sippewisset Rd Quissett 2 Sep 77.

**Heliopsis** Persoon

*H. helianthoides* (L.) Sweet, oxeye. S&P79.

**Hieracium L.**, hawkweeds

*H. AURANTIACUM* L., orange hawkweed. SPWH 3358 (Fogg 571) rr bnk 1/2 mi NE of Wds Hole 26 Jun 23.

*H. CAESPITOSUM* Dumortier, king-devil. SPWH 6161 (Moul 83-1) rdside pine wds nr Round Pd 23 Jul 46; SPWH 2321 (Moul 77-50) rdside Childs R fishladder Carriage Shop Rd 6 Jun 76.

*H. gronovii* L. SPWH 3284 (Moul 79-64) Childs R at Carriage Shop Rd 2 Aug 76; SPWH 5580 (Moul 82-9) F R Lillie Rd 15 Oct 82.

*H. paniculatum* L. SPWH 3364 (Moul SEP 3141) open wds F R Lillie Rd 11 Sep 70; SPWH 3467 (Moul 80-72) F R Lillie Rd 22 Aug 80.

*H. PILOSELLA* L., mouse-ear. SPWH 3365 (Fogg 837) grassy bnk nr Oyster Pd 30 Jun 24; SPWH 3499 (Moul 81-6) lawn wd F R Lillie Rd 4 Jun 81.

*H. PILOSELLOIDES* Villars, king-devil. SPWH 3361 (Fogg 836) wet ditch Gardiner Rd Ganset 12 Jul 24; SPWH 7719 (RHBP 619) unr pwrln across Gifford St Ext from S end highschool campus 3 Jun 89.

*H. scabrum* Michaux, rough hawkweed. SPWH 3366 (Fogg 573) Quissett Hbr S from Harbor Hse 4 Sep 23.

*H. umbellatum* L., toothed hawkweed. SPWH 492 (Moul 74-194) bnk above saltmsh Old Silver Bch 7 Sep 74; SPWH 3437 (Moul 80-47) bikepath nr Wds Hole 6 Sep 76.

*H. venosum* L., rattlesnake-weed. SPWH 765 (Moul 75-138) grassy place in wds F R Lillie Rd 23 Jun 75; SPWH 6458 (C.D. Boretos) Beebe Wds 19 Jun 83.

**Hypochaeris L.**

*H. RADICATA* L., cat's ear. SPWH 3368 (K&P 3257) Long Pd 29 Jul 11; SPWH 2397 (Moul 77-162) Salt Pd Rsvn 28 Jun 77.

**Inula L.**

*I. HELENIUM* L., elecampane. SPWH 3370 (K&P 3465) N Fal 5 Aug 11.

**Ionactis** Greene

*I. linariifolia* (L.) Greene, stiff aster. SPWH 2526 (Pennell 3507) Wds Hole 8 Aug 11; SPWH 7148 (RHBP 521) W side S-bound lane Rt 28 just S of N Fal exit 6 Oct 88.

**Iva L.**

*I. frutescens* (Bartlett) Jackson, marsh-elder. SPWH 3375 (Fogg 838) nr bch Gardiner Rd 11 Sep 24; SPWH 7464 (RHBP 927) Gt Sippewisset Msh nr rr track 10 Aug 89.

**Krigia** Schreber, dwarf dandelions

*K. virginica* (L.) Willdenow. SPWH 7486 (RHBP 606) in sand nr Coonamesett R just S of Hatchville Rd 30 May 89.

**Lactuca L.**

*L. biennis* (Moench) Fernald, blue lettuce. SPWH 1364 (Moul 76-140) nr Elm Rd 1 Sep 76.

*L. canadensis* L., wild lettuce. SPWH 3031 (Moul 79-30) Fal end bikepath 1 Sep 75; SPWH 3256 (Moul

79-60) nr bikepath at Surf Dr 16 Aug 76.

*L. hirsuta* Muhlenberg ex Nuttall. S&P79. WATCH LIST.

*L. SERRIOLA* L., prickly lettuce. SPWH 7543 (RHBP 956) bch NE side Washburn I 14 Aug 89.

**Leucanthemum** Miller

*L. VULGARE* Lamarck, daisy. SPWH 2620 (Pennell 3107) Wds Hole 24 Jul 11; SPWH 7780 (RHBP 1398) bhd W Fal PO 1 Jul 90.

**Liatris** Gaertner ex Schreber

*L. scariosa* (L.) Willdenow var *novae-angliae* (Lunell) Gandhi, Young & Somers, blazing star. SPWH 935 (Pennell 3497) nr Oyster Pd 8 Aug 11; SPWH 7305 (RHBP 476) rr track at Gt Sippewissett Msh 21 Sep 88. There is a large stand on the southeast shr of Washburn I. SPECIAL CONCERN.

Its abundance in Falmouth has diminished greatly since Lewis (1896), comparing it with *Pityopsis falcata*, wrote, "More generally abundant and very conspicuous in early September is *Liatris scariosa*, its purple, unkempt heads being attached to a stiff, unbranched stem. In Falmouth it has the ridiculous name 'Devil's Bit', which properly belongs to a very different plant."

**Mikania** Willdenow

*M. scandens* (L.) Willdenow, climbing hempweed. SPWH 3421 (Pennell 3371) Waquoit 2 Aug 11; SPWH 7447 (RHBP 1154) W side of Coonamessett R arm of Great Pd just S of Rt 28 at Falpt 14 Sep 89. Common along the waterways in the east side of town.

**Nabalus** L., rattlesnake roots

*N. serpentarius* (Pursh) Hooker. ENDANGERED. FIND and DOCUMENT

*N. trifoliolatus* Cassini. SPWH 500 (Fogg 839) nr Eel Pd 10 Sep 24; SPWH 6807 (Buckley 534) Beebe Wds 5 Oct 86.

**Oclemena** Greene, asters

*O. nemoralis* (Aiton) Greene, bog-aster. HKS70, cedar swmp E Fal.

**Pityopsis** Nuttall

*P. falcata* (Pursh) Nuttall, golden aster. SPWH 2621 (G. A. Cheever) sandy bog Hatchville 22 Jul 30; SPWH 7775 (RHBP 1641) E shr Washburn I 4 Oct 90. "In the hot, sandy upland, especially toward Hatchville", says Lewis (1896).

**Pluchea** Cassini, marsh-fleabanes

*P. odorata* (L.) Cassini var *succulenta* (Fernald) Cronquist. SPWH 0009 (Pennell 3168) salt-msh btwn Nobska Pt and Oyster Pd 26 Jul 11; SPWH 7568 (RHBP 929) Gt Sippewisset Msh at rr track 10 Aug 89.

**Pseudognaphalium** Kirpicznikov

*P. obtusifolium* (L.) Hilliard and Burt, everlasting. SPWH 3349 (Pennell 3387) Waquoit 2 Aug 11; SPWH 630 (Moul 75-25) thicket above Sippewisset Bch 9 Sep 74.

**Rudbeckia** L.

*R. HIRTA* L. var *PULCHERRIMA* Farwell, black-eyed Susan. SPWH 3378 (Kenoyer 2927) Fal 12 Jul 11; SPWH 2374 (Moul 77-118) Salt Pd Rsvn 26 Jul 77.

**Scorzoneroideis** (L.) Moench

*S. AUTUMNALIS* L., fall dandelion. SPWH 7731 (RHBP 255) Crane WMA 15 Aug 88. check ssp?

**Senecio** L.

*S. VULGARIS* L., groundsel. SPWH 8204 (RHBP 1973) gdn wd Coonamessett Farm off Hatchville Rd 17 Jul 92.

**Sericocarpus** Nees, white-topped asters

*S. asteroides* (L.) Britton, Sterns & Poggenberg, toothed white-topped aster. SPWH 3379 (E. A. Simons)



"heaths and wds" Fay's Wds 28 Jul 01; SPWH 7158 (RHBP 193) wds S of Long Pd 5 Aug 88.

*S. linifolius* (L.) Britton, Sterns & Poggenberg, narrow-leaved white-topped aster. SPWH 3381 (Pennell 3103) W Fal 23 Jul 11.

### **Solidago** L., goldenrods

*S. altissima* L., tall goldenrod. SPWH 3382 (Fogg 576) Gardiner Rd 10 Sep 23; SPWH 8031 (RHBP 1910) 244 Wds Hole Rd 9 Oct 91. CHECK, COMPARING WITH CANADENSIS.

*S. bicolor* L., silver-rod. SPWH 7189 (RHBP 426) edge cedar swmp Oyster Pd Rd 100 yds N of Alan Lunn's hse 16 Sep 88.

*S. caesia* L., blue-stemmed goldenrod. SPWH 3384 (Pennell 3514) Wds Hole 8 Aug 11; SPWH 7033 (Buckley 1016) Crane WMA nr Rt 151 31 Aug 89.

*S. canadensis* L., tufted goldenrod. SPWH 703 (Moul 75-55) Salt Pd Rsvn 30 Aug 74.

*S. juncea* Aiton, early goldenrod. SPWH 3260 (Moul 79-52) Salt Pd Rsvn 15 Aug 77; SPWH 7184 (RHBP 258) Crane WMA nr Turpentine Rd and Rt 151 15 Aug 88.

*S. latissimifolia* Miller, Elliott's goldenrod. SPWH 3387 (Fogg 577) edge Harpers Pd 10 Sep 23; SPWH 7191 (RHBP 477) E edge Gt Sippewisset Msh nr rr track 21 Sep 88.

*S. nemoralis* Aiton, dyer's goldenrod. SPWH 3393 (K&P 3428) E Fal 5 Aug 11; SPWH 7188 (RHBP 414) bikepath N of Fay Rd 15 Sep 88.

*S. odora* Aiton, sweet goldenrod. SPWH 3394 (Pennell 2956) Fal 15 Jul 11; SPWH 7183 (RHBP 218) unpwrln just S of Hatchville Rd nr Coonamessett R 12 Aug 88.

*S. puberula* Nuttall. SPWH 7193 (RHBP 531) Crane WMA nr Turpentine Rd 1/2 mi N of Rt 151 6 Oct 88; SPWH 7194 (RHBP 1112) sandy barren Crane WMA E of Turpentine Rd ca 3/4 mi N of Rt 151 31 Aug 89.

*S. rugosa* Miller, wrinkled goldenrod. CHECK ALL OF THESE in FNA. SPWH 3397 (part) (K&P 3294) Fal 29 Jul 11; SPWH 7185 (RHBP 293) N end Coonamessett Pd 31 Aug 88; SPWH 7190 (RHBP 457) edge wds rd SE side of Long Pd 19 Sep 88. var?

*S. sempervirens* L., seaside-goldenrod. SPWH 3397 (part) (Moul 7090) Coonamessett R arm Gt Pd 29 Jul 50; SPWH 7192 (RHBP 478) E edge Gt Sippewisset Msh nr rr 21 Sep 88.

### **Sonchus** L., sow-thistles

*S. ARVENSIS* L., field sow-thistle. SPWH 3404 (E. A. Simons) dump in front of Breakwater Hotel 1 Aug 01; CHECK SSP

*S. ASPER* (L.) Hill, spiny-leaved sow-thistle. SPWH 7724 (RHBP 1468) SW part Washburn I 19 Jul 90.

*S. OLERACEUS* L., common sow-thistle. SPWH 3413 (R. A. Lewin) rdsid Wds Hole 11 Jul 49; SPWH 2378 (Moul 77-121) Bradley Hse 9 Jul 77.

### **Symphotrichum** Nees, asters

*S. dumosum* (L.) Nesom, bushy aster. SPWH 7149 (RHBP 523) nr Turpentine Rd and Rt 151 Crane WMA 6 Oct 88.

*S. ericoides* (L.) Nesom, white heath-aster. SPWH 2518 (K&P 3293) Fal 29 Jul 11; SPWH 7777 (RHBP 1638) E shr Washburn I 4 Oct 90.

*S. lateriflorum* (L.) Löve and Löve. SPWH 725 (Moul 75-90) F R Lillie Rd Oct 74; SPWH 7739 (Mary Hunt) W side bikepath btwn Locust St and Elm Rd 15 Oct 90.

*S. novi-belgii* (L.) Nesom, New York aster. SPWH 3331 (Moul) Salt Pd Rsvn 7 Oct 74; SPWH 7152 (RHBP 1210) Coonamessett R bog just N of jct Thos Landers and Sam Turner Rds 10 Oct 89. CHECK VAR

*S. patens* (Aiton) Nesom, clasping aster. SPWH 7155 (RHBP 488) nr crby bogs John Parker Rd 23 Sep 88.

*S. pilosum* (Willdenow) Nesom. SPWH 3245 (Fogg 3212) nr "lab." 2 Oct 27; SPWH 7160 (RHBP 527) nr Turpentine Rd Crane WMA 6 Oct 88. CHECK VAR

var *pringlei* (Gray) Nesom. SPWH 2532 (Pennell 3339) Wds Hole 31 Jul 11.

*S. subulatum* (Michaux) Nesom, annual saltmarsh-aster. SPWH 7156 (RHBP 1157) Salt Pd Rsvn 17 Sep 89.

*S. tenuifolium* (L.) Nesom, perennial saltmarsh-aster. SPWH 7154 (RHBP 359) Gt Sippewisset Msh by Black Bch 8 Sep 88.

### **Tanacetum** L.

*T. PARTHENIUM* (L.) Schultz-Bipontinus, feverfew. SPWH 739 (Moul 75-78) bikepath at Elm Rd 30 Jun 75.

*T. VULGARE* L., tansy. SPWH 3415 (Pennell 3500) rdside Oyster Pd 8 Aug 11; SPWH 2380 (Moul 77-131) bikepath nr Fal 15 Aug 77.

***Taraxacum* Weber ex Wiggers**

*T. OFFICINALE* Weber ex Wiggers, dandelion. SPWH 990 (Moul 75-150) lawn F R Lillie Rd 28 April 75. SPWH 9085 (RHBP 2661) gdn wd 244 Wds Hole Rd 5 May 2006.

***Tragopogon* L.**

*TRAGOPOGON* sp. (RHBP 1367) Washburn I 22 Jun 90. Flower closed and couldn't see color of same.

***Xanthium* L.**

*X. strumarium* L., cocklebur. SPWH 3418 (Pennell 3171) bch btwn Nobska Pt and Oyster Pd 26 Jul 11; SPWH 8212 (RHBP 2049) Salt Pd Rsvn 5 Oct 92. CHECK var?

**Balsaminaceae**

***Impatiens* L.**

*I. capensis* Meerburgh, jewelweed. SPWH 1117 (Moul 76-10) fld nr Salt Pd Rsvn 28 Aug 75; SPWH 2961 (Moul 78-37) nr jct Wds Hole Rd and F R Lillie Rd 9 Sep 77.

**Berberidaceae**

***Berberis* L., barberries**

*B. THUNBERGII* de Candolle, Japanese barberry. SPWH 924 (Moul 75-163) Salt Pd Rsvn 14 Jul 75. SPWH 8640 (RHBP 2119) head of Quisset hbr 5 Oct 94. INVASIVE.

*B. VULGARIS* L., European barberry. SPWH 8192 (Mary Hunt) E sd Metoxit Rd 11 Jun 92. LIKELY INVASIVE.

**Betulaceae**

***Alnus* Miller**

*A. GLUTINOSA* (L.) Gaertner, black alder. SPWH 8613 (RHBP 2117) W side Rt 28a just N of jct w Brick Kiln Rd 19 Sep 94.

*A. incana* (L.) Moench ssp *rugosa* (Du Roi) Clausen, speckled alder. NEBC (Fernald 578) Gunning Pt 9 Aug 27.

*A. serrulata* (Aiton) Willdenow, common alder. SPWH 1273 (K&P 3279) thicket Grews Pd 29 Jul 11; SPWH 7521 (RHBP 190) edge SE side of Long Pd 5 Aug 88.

***Betula* L., birches**

*B. alleghaniensis* Britton, yellow birch. SPWH 8608 (RHBP 2620) 75 yds NW of firehse on Wds Hole Rd 27 Jul 2004; SPWH 8601 (RHBP 2623) S corner of jct N end Fay Rd and Oyster Pd Rd 15 Jan 2005.

*B. lenta* L., sweet birch. KNOWN FROM MASHPEE. Look for in east end of town and

*B. NIGRA* L., river birch. SPWH 8604 (Schall) btwn head Garrison Rd and Rt 28 S 16 Jan 2005.

*B. papyrifera* Marshall, white birch. HKS70 "scattered trees in Falmouth"; SPWH 8637 (RHBP 2625) S sector of circ dr W entr Falmouth Hospital;

*B. PENDULA* Roth, European white birch. SPWH 1275 (Fogg 2234) rdside 1/2 mi N of Wds Hole 1 Jul 27; SPWH 8609 (RHBP 2624) btwn Thai restaurant and Dairy Queen at 837 E Main St 19 Jan 2005.

*B. populifolia* Marshall, gray birch. SPWH 1277 (K&P 3438) Coonamessett Pd 5 Aug 11; SPWH 8603 (RHBP 2622) NE crnr of jct of Oyster Pd Rd and connector btwn Oyster Pd Rd and Fay Rd 15 Jan 2005.

*B. PUBESCENS* Ehrhart, European birch. SPWH 1274 (Fogg 778) Fay's Wds along Fal Rd 30 Jun 24.

***Carpinus* L.**

*C. caroliniana* Walter, ironwood. S&P79.

**Corylus L.**

*C. americana* Walter, hazelnut. SPWH 828 (Moul 75-128) F R Lillie Rd 18 Mar 75.

*C. cornuta* Marshall, beaked hazelnut. SPWH 1278 (Pennell 2888) Wds Hole 9 Jul 11; SPWH 9033 (RHBP 2678) wds sw of McLean Bldg 1 May 2007.

**Ostrya Scopoli**

*O. virginiana* (Miller) Koch, hop-hornbeam. SPWH 2373 (Moul 77-119) Quissett Campus wds 27 Jul 77; SPWH 7559 (RHBP 1408) Harbison wds 6 Jul 90.

**Bignoniaceae****Campsis Loureiro**

*C. RADICANS* (L.) Seemann ex Bureau, trumpet-vine. SPWH 9093 (RHBP 2670) W side Gifford St 0.15 mi S of Brick Kiln Rd 7 Sep 2006. The plant sampled was first noticed about 1988.

**Catalpa Scopoli**

*C. BIGNONIOIDES* Walter. SPWH 9293 (RHBP 2703) Quissett Hall 1 Dec 2011

**Boraginaceae****Myosotis L.**

*M. SCORPIOIDES* L., true forget-me-not. SPWH 7537 (RHBP 1530) head Moonakis R 28 Aug 90.

**Brassicaceae****Alliaria Heister ex Fabricius**

*A. PETIOLATA* (Bieberstein) Cavara and Grande, garlic-mustard. NEBC (Sorrie 1383) Wds Hole Rd 12 May 82; SPWH 8196 (RHBP 1922) Wds Hole Rd just S of Glendon Rd 18 May 92.

**Alyssum L.**

*A. ALYSSOIDES* (L.) L. NEBC (W. G. Farlow) rdside "Wood's Holl" 30 Aug 05.

**Arabidopsis Heynhold**

*A. THALIANA* (L.) Heynhold, mouse-eared cress. SPWH 2990 (Moul 79-10) Bradley Hse 3 Jun 78.

**Barbarea Aiton, f., wintercresses**

*B. VERNA* (Miller) Ascherson, early wintercress. SPWH 706 (Moul 75-53) Brick Kiln Rd 7 Jun 75; SPWH 3326 (Moul 80-5) F R Lillie Rd 13 May 77.

*B. VULGARIS* Aiton f., yellow rocket. SPWH 1349 (Moul 76-119) Elm Rd 20 Jun 76; SPWH 2942 (Moul 79-2) Bradley Hse 3 Jun 78.

**Berteroa de Candolle**

*B. INCANA* (L.) de Candolle, hoary alyssum. Fogg30.

**Brassica L., mustards**

*B. JUNCEA* (L.) Czernajev, Indian mustard. Fogg30.

*B. NIGRA* (L.) Koch, black mustard. Fogg30.

*B. RAPA* L., rutabaga. SPWH 1564 (Fogg 1056) Wds Hole 8 Jul 25.

**Cakile Miller**

*C. edentula* (Bigelow) Hooker, sea-rocket. NEBC (W. G. Farlow) "Wood's Holl" 5 Aug 1876; SPWH 7562 (RHBP 1378) Washburn I 22 Jun 90.

**Capsella Medicus**

*C. BURSA-PASTORIS* (L.) Medicus, shepherd's purse. NEBC (C. F. Batchelder) Wild Hbr 15 Jul 06;

SPWH 7367 (RHBP 2) wds 244 Wds Hole Rd 10 Apr 88.

**Cardamine** L., bittercresses

*C. HIRSUTA* L., hoary bittercress. SPWH 8616 (RHBP 2135) gdn wd 244 Wds Hole Rd 17 Apr 95.

*C. parviflora* L. var *arenicola* (Britton) Schulz, narrow-leaved bittercress. HKS70A "sandy woods in ... Saconesset (West Falmouth)".

**Draba** L.

*D. VERNA* L., whitlow-grass. SPWH 463 (Moul 74-176) F R Lillie Rd 6 May 74; SPWH 1371 (Moul 76-59) in lawn nr Oyster Pd Rd entr to Quissett Campus 26 Mar 76.

**Hesperis** L.

*H. MATRONALIS* L., dame's rocket. SPWH 3313 (Moul 80-32) Fal end of bikepath 26 Jul 76; SPWH 3458 (Moul 80-53) Bradley Hse 9 Jul 77.

**Lepidium** L.

*L. CAMPESTRE* (L.) Aiton f., cowcress. SPWH 7570 (RHBP 574) nr head of Coonamesett R cranberry bog just S of Hatchville Rd 17 May 89.

*L. DIDYMU*M L., lesser swinecress. NEBC (E. and C. E. Faxon) "Wood's Holl" 20 Jul 1881; SPWH 1559 (Fogg 791) edge Eel Pd Wds Hole 3 Aug 24.

*L. RUDERALE* L. NEBC (H. A. Purdie) "Wood's Holl" 30 Aug 05.

*L. virginicum* L., pepper grass. NEBC (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 2371 (Moul 77-106) Bradley Hse 23 Jul 77.

**Lunaria** L.

*L. ANNUA* L., honesty. SPWH 5371 (L. Bush) wds N of Snapper Lane 10 May 82.

**Nasturtium** Aiton

*N. MICROPHYLLUM* Boenninghausen ex Reichenbach, tetraploid watercress. NEBC (HKS 2072) Herring Bk N Fal 78 Jun 68? Can't find at NEBC.

*N. OFFICINALE* Aiton f., watercress. NEBC (Svenson 2070) Herring Bk 8 Jun 68; SPWH 6886 (Armstrong) ditch N Fal 10 Sep 85.

**Raphanus** L.

*R. RAPHANISTRUM* L., wild radish. SPWH 1145 (Moul 76-20) bikepath nr Trunk R 7 Oct 75; SPWH 7376 (RHBP 86) bikepath N of Surf Dr 9 Jul 88.

*R. SATIVUS* L., radish. Fogg30.

**Rorippa** Scopoli

*R. palustris* (L.) Besser var *fernaldiana* (Butters and Abbe) Stuckey, marsh yellowcress. SPWH 8049 (RHBP 1810) by Coonamesett R cranberry bog S of John Parker Rd 10 Sep 91. var?

*R. SYLVESTRIS* (L.) Besser, creeping yellowcress. SPWH 1574 (Fogg 530) S of Wood Pd on Gardiner Rd 29 Jul 23.

**Sinapis** L.

*S. ARVENSIS* L. charlock. SPWH 9288 (D. Schall) nr pkng area S of Hatchville Rd. at BioBlitz Central 27 Jun 2010.

**Sisymbrium** L.

*S. ALTISSIMUM* L., tumbling mustard. Fogg30.

*S. OFFICINALE* (L.) Scopoli, hedge-mustard. SPWH 1570 (Pennell 3105) Wds Hole 24 Jul 11; SPWH (RHBP 2078) gdn wd 244 Wds Hole Rd 21 Aug 94. MISSING.

**Campanulaceae**

**Campanula** L.

*C. RAPUNCULOIDES* L., European bellflower. SPWH 2516 (Pennell 3503) Wds Hole 8 Aug 11; SPWH

9049 (RHBP 2684) weed 244 Wds Hole Rd 1 Oct 2007.

**Jasione L.**

*J. MONTANA* L., sheep's bit. SPWH 7690 (Buckley 3119) Whistler's Way Waquoit Sep 89.

**Lobelia L.**

*L. cardinalis* L., cardinal-flower. SPWH 2519 (Moul) Coonamesett R at Rt 28 1 Aug 50; SPWH 7536 (RHBP 1537) Moonakis R 28 Aug 90.

*L. dortmanna* L., water-lobelia. SPWH 2520 (K&P 3269) shallow water Long Pd 29 Jul 11; SPWH 8053 (RHBP 1774) W shallows NE part of Deep Pd (Hatchville) 2 Aug 91 from a poor looking population.

*L. inflata* L., Indian tobacco. SPWH 7688 (Buckley 3261) bikepath 2 Aug 90.

**Triodanis Rafinesque ex Greene**

*T. perfoliata* (L.) Nieuwland, Venus's looking-glass. SPWH 7539 (RHBP 1411) NE shr Washburn I 7 Jul 90.

**Caprifoliaceae**

**Dipsacus L.**

*D. FULLONUM* L., teasel. SPWH 8216 (RHBP 2069) Ashumet Holly Rsvn 29 Oct 92.

**Lonicera L., honeysuckles**

*L. JAPONICA* Thunberg, Japanese honeysuckle. SPWH 1067 (Moul 75-237) Nobska Pt 25 Jun 75; SPWH 2985 (Moul 79-18) Salt Pd Rsvn 22 Oct 77.

*L. MORROWII* Gray, Morrow's honeysuckle. SPWH 748 (Moul 75-127) Salt Pd Rsvn 28 May 74; SPWH 9092 (RHBP 2663) hd of Quisset Hbr 23 May 2006.

*L. SEMPERVIRENS* L., trumpet-honeysuckle. SPWH 2300 (J. Hollister) Quissett Campus Jun 77. WATCH LIST.

**Triosteum L.**

*T. perfoliatum* L. Bourne, may occur in Falmouth. ENDANGERED.

**Caryophyllaceae**

**Arenaria L., sandworts**

*A. SERPYLLIFOLIA* L., thyme-leaved sandwort. Fogg30.

**Cerastium L., mouse-ear chickweeds**

*C. FONTANUM* Baumgarten ssp *VULGARE* (Hartman) Greuter and Burdet, common mouse-ear chickweed. SPWH 1524 (Pennell 3192) Wds Hole 27 Jul 11; SPWH 8077 (Mary Hunt) gdn wd 85 Elm Rd 13 May 91.

**Dianthus L., pinks**

*D. ARMERIA* L., Deptford pink. SPWH 7377 (RHBP 105) on way to Knob 12 Jul 88.

*D. BARBATUS* L., Sweet William. Fogg30.

*D. DELTOIDES* L., Maiden pink. SPWH 1334 (Moul 76-115) lawn of Moors Clubhse 21 Jul 76.

**Gypsophila L.**

*G. PANICULATA* L., baby's breath. Fogg30.

**Honckenya Ehrhart**

*H. peploides* (L.) Ehrhart ssp *robusta* (Fernald) Hultén, sea-beach sandwort. NEBC (W. Deane) W Fal 5 Jul 1895; SPWH 2708 (Moul 63-151) Nobska Bch 19 Jun 63.

**Lychnis L.**

- L. CORONARIA* (L.) Murray, rose campion. SPWH 3268 (Moul 79-29) Salt Pd Rsvn 28 Jun 77  
*L. FLOS-CUCULI* L., ragged robin. SPWH 8146 (RHBP 642) Salt Pd Rsvn 6 Jun 89.

**Moehringia L.**

- M. lateriflora* (L.) Fenzl, grove-sandwort. SPWH 1084 (Moul 75-228) Salt Pd Rsvn 29 May 75; SPWH 7491 (RHBP 585) same 22 May 89.

**Sagina L., pearlwarts**

- S. PROCUMBENS* L., bird's eye. SPWH 7522 (RHBP 149) wd 244 Wds Hole Rd 1 Aug 88.

**Saponaria L.**

- S. OFFICINALIS* L., bouncing bet. SPWH 1529 (L. Roseman) Jul 02; SPWH 8063 (RHBP 1748) bikepath S of Elm Rd 31 Jul 91.

**Scleranthus L.**

- S. ANNUUS* L., annual knawel. SPWH 1535 (in part) (K&P 3204 in part) Fal 29 Jul 11; SPWH 8220 (RHBP 2051) Salt Pd Rsvn 5 Oct 92.

**Silene L., catchflies and campions**

- S. ARMERIA* L., garden catchfly. SPWH 7388 (RHBP 316) edge of wds rd nr Gifford St entr to town forest 2 Sep 88.  
*S. DIOICA* (L.) Clairville, red campion. SPWH 1341 (Moul 76-111) Oyster Pd Rd by cedar swmp 14 Jun 76.  
*S. LATIFOLIA* Poiret ssp *ALBA* (Miller) Greuter and Burdet, white campion. SPWH 1127 (Moul 76-1) bikepath at Little Hbr 9 Oct 75; SPWH 1340 (Moul 76-110) Oyster Pd Rd at cedar swmp 14 Jun 76.

**Spergula L., spurreys**

- S. ARVENSIS* L., corn-spurrey. NEBC (E. F. Williams) "sandy roadside" 13 Jul 11; SPWH 7074 (Buckley 1065) nursery in town forest Gifford St 4 Sep 89.

**Spergularia (Persoon) J. & K. Presl, sand-spurreys**

- S. marina* (L.) Grisebach, salt-marsh sand-spurrey. NEBC (H. St. John 108) salt msh Waquoit 5 Sep 11; SPWH 7046 (Buckley 1078) rr track at Gt Sippewisset Msh 18 Aug 89.  
*S. RUBRA* (L.) J. and K. Presl, red sand-spurrey. SPWH 1539 (Pennell 2997) Wds Hole 20 Jul 11; SPWH 6913 (Buckley 784) Gifford St by town utility shed 15 Jul 88.

**Stellaria L., chickweeds**

- S. GRAMINEA* L., common stitchwort. SPWH 762 (Moul 75-136) Nobska Pt 25 Jun 75; SPWH 1344 (Moul 76-116) lawn Moors clubhouse off Elm Rd 21 Jun 76.  
*S. MEDIA* (L.) Villars, common chickweed. SPWH 568 (Moul 75-6) Fal library 27 Mar 75; SPWH 6916 (Buckley 797) Gifford St by town utility shed 10 Jul 88. Growing in Falmouth in all months of the year.

**Celastraceae****Celastrus L.**

- C. ORBICULATUS* Thunberg, Asian bittersweet. SPWH 1906 (Fogg 799) edge Harpers Pd 11 Sep 24; SPWH 8055 (RHBP 1771) 244 Wds Hole Rd 31 Jul 91. INVASIVE.  
*C. scandens* L., American bittersweet. S&P79, but of questionable occurrence on Cape Cod; swamped by the alien.

**Euonymus L.**

- E. ALATUS* (Thunberg) Siebold, winged spindle-tree. SPWH 7776 (RHBP 1639) Washburn I 4 Oct 90.  
*E. FORTUNEI* (Turczaninow) Handel-Mazzetti. SPWH 3457 (Moul 80-56) pkng lot Millfld St 10 Oct 75; SPWH 8214 (RHBP 2072) Quisset Hbr Rd 27 Nov 92. CHECK VAR

## Cistaceae

**Crocanthemum** Miller, rock-roses

*C. bicknellii* (Fernald) Barnhart, Bicknell's frostweed. SPWH 1937 (Fogg 2418) Gunning Pt 9 Aug 27; SPWH 8198 (RHBP 99) bikepath nr Shore Lab 10 Jul 88.

*C. canadense* (L.) Britton, frostweed. SPWH 1938 (Fogg 2450) rr 1/2 mi N Fal sta 9 Aug 27; SPWH 8197 (RHBP 54) Crane WMA 24 Jun 88.

*C. dumosum* Bicknell, bushy rock-rose. NEBC (L.R. Churchill) W Fal 5 Jul 1894; SPWH 8643 (RHBP 846) unr pwrln N of Rt 151 just E of Ranch Rd 25 Jul 89. SPECIAL CONCERN.

*C. propinquum* (Bicknell) Bicknell, low rock-rose. NEBC (Fernald & Bayard Long 18774) "by cartroad in dry open pine wds" Fal 23 Aug 19; SPWH 8642 (RHBP 848) unr pwrln N of Rt 151 just E of Ranch Rd 25 Jul 89.

**Hudsonia** L.

*H. ericoides* L., golden heather. SPWH 7999 (RHBP 35) Crane WMA nr Turpentine Rd 3/4 mi N of Rt 151 30 May 88.

*H. tomentosa* Nuttall, beach-heath. SPWH 1947 (Fogg 552) bch 1/4 mi S of Fal 25 Jun 23; SPWH 7563 (RHBP 1307) Washburn I 8 Jun 90.

**Lechea** L., pinweeds

*L. intermedia* Leggett ex Britton var *intermedia*, narrow-leaved pinweed. SPWH 8170 (RHBP 1543) nr W shr Moonakis R 28 Aug 90.

*L. maritima* Leggett ex Britton, Sterns and Poggenberg, hoary pinweed. SPWH 1951 (Pennell 3359) Waquoit 2 Aug 11; SPWH 7053 (Buckley 1000) SE crnr Long Pd 23 Aug 89.

*L. minor* L., thyme-leaved pinweed. SPWH 7292 (RHBP 900) Crane WMA path parallel to and 150 yds N of Rt 151 W of Turpentine Valley 5 Aug 89; SPWH 7587 (Mary Hunt) bikepath at Fay Rd overpass 13 Sep 90. WATCH LIST.

*L. mucronata* Rafinesque, hairy pinweed. SPWH 1955 (Fogg 2441) swmp nr Gunning Pt 9 Aug 27; SPWH 7294 (RHBP 869) E side Long Pd 1 Aug 89.

## Clethraceae

**Clethra** L.

*C. alnifolia* L., sweet pepperbush. SPWH 2046 (Pennell 3346) Wds Hole 1 Aug 11; SPWH 1672 (Moul 77-14) Salt Pd Rsvn 26 Jul 76.

## Convolvulaceae

**Calystegia** Brown

*C. sepium* (L.) Brown, wild morning-glory. SPWH 1090 (Moul 75-232) bikepath Fal 23 Jun 75; SPWH 7378 (RHBP 106) head Quissett Hbr 12 Jul 88. ssp?

**Convolvulus** L.

*C. ARVENSIS* L., bindweed. Fogg30.

**Cuscuta** L., dodders

*C. cephalanthi* Engelmann. SPWH 7029 (Buckley 1044) cranberry bog S of Wing Pd 18 Aug 89.

*C. compacta* A. L. Jussieu ex Choisy. SPWH 8099 (RHBP 1865) on shrub edge of pd/bog S of jct Gifford St and Brick Kiln Rd 19 Sep 91.

*C. EPITHYMUM* (L.) L., clover-dodder. SPWH 2157 (E. A. Simons) fld bordering Oyster Pd 28 Jul 01.

*C. gronovii* Willdenow ex Schultes, common dodder. SPWH 2156 (K&P 3439) edge Coonamessett Pd 5 Aug 11; SPWH 8104 (RHBP 1149) on *Solidago sempervirens* Coonamessett R arm of Great Pd nr Falmouthport's waterside hall 14 Sep 89.

*C. pentagona* Engelmann. SPWH 7030 (Buckley 1047) landfill Gifford St 29 Jul 89. HISTORICAL.

## Cornaceae

**Benthamidia** L., dogwoods

*B. florida* (L.) Spach, flowering dogwood. SPWH 994 (Moul 75-147) Quissett Campus wds 21 May 75; SPWH 5564 (Moul 82-6) F R Lillie Rd 19 Oct 82. Recently common in Falmouth, this plant was becoming much less so as plants of all ages were dying in the late 1980s. The beginning of a recovery was noted about 2001.

**Chamaepericlymenum** Ascherson and Graebner

*C. canadense* (L.) Ascherson and Graebner, bunchberry. SPWH 8247 (RHBP 2073) bank overlooking a "spectacle" pnd 1/2 mi E of jct Rt 28 and pwrln just S of Bourne town line 10 Jun 93. A station in Beebe Woods near Deep Pond was found a week or two earlier.

**Nyssa** L.

*N. sylvatica* Marshall, tupelo. SPWH 6541 (E. P. Armstrong) edge Cumloden swmp 26 Sep 84.

**Swida** Small, dogwoods

*S. racemosa* (Lamarck) Moldenke. SPWH 2038 (Fogg 559) Fay estate off rd to Fal 25 Jun 23.

*S. SERICEA* (L.) Holub, red osier. SPWH 7391 (RHBP 328) N end Coonamesett Pd 4 Sep 88.

## Cucurbitaceae

**Sicyos** L.

*S. angulatus* L., bur-cucumber. SPWH 8088 (Buckley 902) gdn wd Cape Co-housing (former New Alchemy Institute) 29 Sep 91.

## Droseraceae

**Drosera** L., sundews

*D. filiformis* Rafinesque, thread-leaved sundew. SPWH 1576 (L. Roseman) Long Pd Jul 02; SPWH 7306 (RHBP 179) SE shr Long Pd 5 Aug 88. WATCH LIST.

*D. intermedia* Hayne. SPWH 1582 in part (E. A. Simons) "enclosed bog N. of laboratory" 22 Jul 01; SPWH 5571 (C.D. Boretos) wet medo NE of Long Pd 21 Oct 82.

*D. rotundifolia* L., round-leaved sundew. SPWH 1582 in part (E. A. Simons) "enclosed bog N. of laboratory" 22 Jul 01; SPWH 8209 (RHBP 2023) cedar swmp off Blacksmith Shop Rd 23 Sep 92.

## Elaeagnaceae

**Elaeagnus** L.

*E. UMBELLATA* Thunberg var *PARVIFOLIA* (Royle) Schneider, autumn-olive. SPWH 456 (Moul 74-183) Salt Pd Rsvn 7 Oct 74; SPWH 7412 (RHBP 543) same 18 Oct 88. INVASIVE.

## Elatinaceae

**Elatine** L., waterworts

*E. minima* (Nuttall) Fischer and Meyer. SPWH 7043 (Buckley 1068) Fresh Pd 21 Jul 89.

## Ericaceae

**Arctostaphylos** Adanson

*A. uva-ursi* (L.) Sprengel, bearberry. SPWH 2065 (Pennell 3073) Gunning Pt 23 Jul 11; SPWH 9294 (RHBP 2707) W side of rd W of Quashnet R a little above Martin Rd 4 Feb 2012.

**Chamaedaphne** Moench

*C. calyculata* (L.) Moench, leatherleaf. SPWH 2070 Pennell 2869) Wds Hole 8 Jul 11; SPWH 7494 (RHBP 558) edge bog/pd S from jct Gifford St and Brick Kiln Rd 5 May 89.



**Chimaphila Pursh**

*C. maculata* (L.) Pursh, spotted wintergreen. SPWH 2057 (E. A. Simons) Fay's wds 21 Jul 01; SPWH 5563 (C.D. Boretos) N side Long Pd 19 Oct 82.

*C. umbellata* (L.) Barton ssp *sisatlantica* (Blake) Hultén, pipsissewa. SPWH 7400 (RHBP 398) unr oaks and white pines SE of jct Thos Landers Rd and Rt 28 14 Sep 88.

**Corema Don**

*C. conradii* (Torrey) Torrey ex Loudon, broom crowberry. HKS70 N Fal. WATCH LIST.

**Epigaea L.**

*E. repens* L., trailing arbutus. SPWH 2079 (K&P 3230) Jenkins Pd 29 Jul 11; SPWH 7792 (E. P. Armstrong) Beebe Wds 16 May 90. Common, especially along the cut banks of old woods cartways.

**Eubotrys Nuttall**

*E. racemosa* (L.) Nuttall, fetterbush. SPWH 2088 (Pennell 2865) Wds Hole 8 Jul 11; SPWH 8987 (RHBP 2653) wds behind WH Res Ctr Jun 2005.

**Gaultheria L.**

*G. procumbens* L., checkerberry. SPWH 1116 (Moul 76-14) Fay's wds Oyster Pd Rd 9 Oct 75; SPWH 5384 (C.D. Boretos) Beebe Wds nr Miles Pd 19 Oct 81.

**Gaylussacia Kunth, huckleberries**

*G. baccata* (Wangenheim) Koch, black huckleberry. SPWH 2082 (Pennell 2891) Wds Hole 9 Jul 11; SPWH 3501 (Moul 81-4) F R Lillie Rd 25 May 81.

*G. bigeloviana* (Fernald) Sorrie and Weakley, dwarf huckleberry. Fogg30.

*G. frondosa* (L.) Torrey and Gray ex Torrey, dangleberry. SPWH 2084 (Pennell 2863) Wds Hole 8 Jul 11; SPWH 8986 (RHBP 2654) wds behind WH Res Ctr Jun 2005.

**Hypopithys Gray**

*H. monotropa* Crantz, pinesap. SPWH 0015 (Pennell 2961) Hamlin Pt 15 Jul 11; SPWH 7409 (RHBP 518) nr Sippewissett Maple Swamp 29 Sep 88.

**Kalmia L.**

*K. angustifolia* L., lambkill. SPWH 2085 (K&P 3217) Spectacle Pd (E of Mares Pd) 29 Jul 11; SPWH 6880 (E. P. Armstrong) edge Cumloden swmp 20 Jun 85.

*K. latifolia* L., mountain-laurel. SPWH 3306 (Moul 80-17) along Loeb Rd 9 Jun 76 cultivated?; SPWH 8235 (RHBP 548) edge of govt rr N side Crane WMA 19 Jan 89 escape? Not a Falmouth native?

**Lyonia Nuttall**

*L. ligustrina* (L.) de Candolle, maleberry. SPWH 2091 (Pennell 2867) Wds Hole 8 Jul 11; SPWH 6552 (E. P. Armstrong) edge Cumloden swmp 20 Sep 84.

**Monotropa L.**

*M. uniflora* L., Indian pipe. SPWH 0014 (Pennell 2897) Wds Hole 9 Jul 11; SPWH 3322 (Moul 80-9) wds nr F R Lillie Rd 1 Jul 76.

**Pyrola L., shinleaves**

*P. americana* Sweet. SPWH 2062 (Fogg 808) along rr 1/2 mi NE of Wds Hole 10 Jul 24; SPWH 7515 (RHBP 621) wds S of bog S of jct Gifford St and Brick Kiln Rd 3 Jun 89.

*P. elliptica* Nuttall. SPWH 2063 (E. A. Simons) "damp woods near Nobska" 9 Jul 01; SPWH 7514 (RHBP 673) nr pd SW of jct of Sandwich Rd and Rt 151 20 Jun 89.

**Rhododendron L.**

*R. canadense* (L.) Torrey, rhodora. SPWH 8254 (Mario DiGregorio) 300 yds SW of jct. Sandwich Rd and Rt 151 nr foot of filled slope of gas stn 3 May 98.

*R. viscosum* (L.) Torrey, swamp-azalea. SPWH 2073 (Pennell 2981) Wds Hole 17 Jul 11; SPWH 2390 (Moul 77-155) Salt Pd Rsvn nr Mill Rd 30 Jun 77.

forma *glauca* (Lamarck) Voss. SPWH 8042 (RHBP 1850) W edge pwrln W of Crooked Pd 12 Sep 91.

**Vaccinium L.**, blueberries and cranberries

*V. angustifolium* Aiton, late low blueberry. SPWH 2099 (Pennell 2948) Fal 15 Jul 11; SPWH 6805 (Buckley 532) Beebe Wds 5 Oct 86.

*V. corymbosum* L., high-bush blueberry. SPWH 2092 (Pennell 2862) Wds Hole 8 Jul 11; SPWH 6881 (E. P. Armstrong) Cumloden 10 May 85.

*V. fuscum* Aiton, black high-bush blueberry. SPWH 9281 (PTP 351) BioBlitz E edge Dupee bog 41.613° N, 70.572° W 26 Jun 2012.

*V. macrocarpon* Aiton, cranberry. SPWH 2097 (Pennell 3019) Wds Hole 20 Jul 11; SPWH 8165 (RHBP 657) Coonamessett R Dupee bog just N of Hatchville Rd 20 Jun 89.

*V. pallidum* Aiton, early low blueberry. SPWH 1372 (Moul 76-63) Quissett Campus wds 21 May 75; SPWH 8071 (RHBP 589) E edge Turpentine Rd 200 yds N of Rt 151 24 May 89.

*V. stamineum* L., deerberry. ?(RHBP 656) Coonamessett R bog just N of Hatchville Rd 20 Jun 89?. COLLECT IN FLOWER and LOOK FOR OXYCOCCOS. CHECK ID.

**Euphorbiaceae****Acalypha L.**, three-seeded mercuries

*A. gracilis* Gray. SPWH 1812 (K&P 3274) edge Long Pd 29 Jul 11; SPWH 7584 (Mary Hunt) Elm Rd 22 Aug 90.

*A. rhomboidea* Rafinesque. SPWH 7698 (Buckley 3122) wd at NAI 30 Sep 90.

*A. virginica* L. var *virginica* L. Fogg30. WATCH LIST.

**Euphorbia L.**, spurges

*E. CYPARISSIAS* L., cypress-spurge. SPWH 7460 (RHBP 955) along rr btwn Palmer Ave and depot 10 Aug 89.

*E. maculata* L., dishrag-spurge. SPWH 1814 (Pennell 3054) Wds Hole 22 Jul 11; SPWH 3298 (Moul 80-24) bikepath Wds Hole 26 Jul 76.

*E. polygonifolia* L., seaside-spurge. SPWH 947 (C. Van Raalte 69-26) Gansett Bch 14 Sep 69; SPWH 7393 (RHBP 366) Black Bch 8 Sep 88.

**Fabaceae****Amorpha L.**

*A. FRUTICOSA* L., false indigo. SPWH 1730 (Fogg 539) rdsid nr Oyster Pd Wds Hole 25 Jun 23; SPWH 3466 (Moul 80-43) Quissett Campus nr Oyster Pd Rd 6 Sep 76.

**Amphicarpaea Elliott ex Nuttall**

*A. bracteata* (L.) Fernald, hog-peanut. Fogg30.

**Apios Fabricius**

*A. americana* Medicus, groundnut. SPWH 723 (Moul 75-92) Salt Pd Rsvn 25 Jul 75; SPWH 7387 (RHBP 247) entr to WHOI School St pkng lot 13 Aug 88.

**Baptisia Ventenat**

*B. AUSTRALIS* (L.) Brown ex Aiton f. Wds Hole S&P79.

*B. BRACTEATA* Muhlenberg ex Elliott var *LEUCOPHAEA* (Nuttall) Kartesz and Gandhi. SPWH 1731 (WRT) rr btwn Wds Hole and Fal Aug 19.

*B. tinctoria* (L.) Brown ex Aiton f., wild indigo. SPWH 167 (Moul 74-117) wds rd Quissett Campus 24

Aug 74; SPWH 7403 (RHBP 423) bikepath N of Fay Rd 15 Sep 88. E. A. Simons says (Jul 01), "heaths everywhere" (SPWH 165).

**Chamaecrista** (L.) Moench

*C. fasciculata* (Michaux) Greene, partridge-pea. SPWH 1734 (E. A. Simons) rdside Quissett 7 Aug 01; SPWH 7380 (RHBP 146) head of Quissett Hbr 1 Aug 88.

**Crotalaria** L.

*C. sagittalis* L., rattlebox. SPWH 1735 (K&P 3452) Deep Pd (Hatchville) 5 Aug 11; SPWH 7088 (Buckley 1059) S shr Ashumet Pd 23 Aug 89.

**Cytisus** L.

*C. SCOPARIUS* (L.) Link, broom. SPWH 1737 (L. Roseman) Wds Hole 8 Jul 02; SPWH 650 (Moul 75-48) edge Oyster Pd 4 Jun 75.

**Desmodium** Desvaux, tick-trefoils

*D. canadense* (L.) de Candolle, showy tick-trefoil. SPWH 1760 (Pennell 3503) Wds Hole 8 Aug 11; SPWH 2975 (Moul 79-4) Beebe Wds along Ter Heun Dr 26 Aug 77.

*D. ciliare* (Muhlenberg ex Willdenow) de Candolle. SPWH 1766 (Fogg 542) Ganset Addition 10 Sep 23; SPWH 7289 (RHBP 1067) along rr track N of Bourne Farm 25 Aug 89.

*D. marilandicum* (L.) de Candolle. SPWH 7293 (RHBP 886) pkng lot Crane WMA 5 Aug 89; SPWH 7291 (RHBP 991) along rr track btwn cranberry bog S of Wing's Pd and Bourne Farm 18 Aug 89.

*D. obtusum* (Muhlenberg ex Willdenow) de Candolle., stiff tick-trefoil. SPWH 7290 (RHBP 1031) gravel pit Crane WMA 22 Aug 89. Reidentify.

**Genista** L.

*G. TINCTORIA* L., dyer's greenweed. S&P79 W Fal. E. T. Lewis (1896) says, "...*Genista tinctoria*, has been recently brought to West Falmouth. (Mr. Walter Deane, an eminent botanist of Cambridge, Mass., is authority for this statement.)"

**Gleditsia** L.

*G. TRIACANTHOS* L., honey-locust. (RHBP 547, a pod) 12 Jan 89 a few trees by Eel Pd on W side School St and N side inlet.

**Lathyrus** L., wild peas

*L. japonicus* Willdenow var *maritimus* (L.) Kartesz and Gandhi, beach-pea. SPWH 0149 (Moul 74-135) bch nr Chara Pd 28 May 74.

*L. LATIFOLIUS* L., perennial sweet pea. SPWH 7481 (RHBP 728) wd 244 Wds Hole Rd 25 Jun 89.

*L. palustris* L., vetchling. SPWH 1773 (Kenoyer 2906) Fal 10 Jul 11; SPWH 8206 (RHBP 1991) W of mouth of Red Brook SE of Ostrom Rd 21 Jul 92. WATCH LIST.

*L. SYLVESTRIS* L. (I. Kadis) Crane WMA 25 Sep 2011.

**Lespedeza** Michaux, bush-clovers or lespedezas

*L. angustifolia* (Pursh) Elliott, narrow-leaved bush-clover. SPWH 1770 (Pennell 3343) Wds Hole 1 Aug 11; SPWH 7221 (RHBP 851) unr pwrln N of Rt 151 just E of Ranch Rd 25 Jul 89. WATCH LIST.

*L. capitata* Michaux, roundhead bush-clover. SPWH 1763 (K&P 3221) Fal 29 Jul 11; SPWH 7222 (RHBP 971) E side Washburn I 14 Aug 89.

*L. CUNEATA* (Dumont de Courset) G. Don. SPWH 7303 (RHBP 534) dry fld W of Turpentine Rd Crane WMA 6 Oct 88.

*L. hirta* (L.) Hornemann, hairy bush-clover. SPWH 1768 (Pennell 3158) Wds Hole 26 Jul 11; SPWH 7225 (RHBP 1107) unr pwrln N of Rt 151 and E of Ranch Rd 28 Aug 89.

*L. x nuttallii* Darlington (*hirta* x *violacea*), Nuttall's bush-clover. SPWH 7097 (Buckley 1009) pwrln W of Deer Pd Rd 12 Aug 89; SPWH 7224 (RHBP 1105) unr pwrln E of Ranch Rd and N of Rt 151 28 Aug 89.

*L. procumbens* Michaux, trailing bush-clover. SPWH 7220 (RHBP 406) ridgetop in dry wds SE of jct Thos Landers Rd and Rt 28 14 Sep 88.

*L. stuevei* Nuttall, Stueve's bush-clover. SPWH 1765 (Pennell 3410) Waquoit 2 Aug 11; SPWH 7585

(Mary Hunt) W sd Washburn I 4 Sep 90. HISTORICAL CHECK ID.

*L. THUNBERGI* (de Candolle) Nakai ssp *FORMOSA*? (I. Kadis) Crane WMA 25 Sep 2011.

*L. violacea* (L.) Persoon, wand bush-clover. SPWH 1762 (K&P 3223) Fal 29 Jul 11; SPWH 7241 (RHBP 1114) Crane WMA on path paralleling Rt 151 and just N of it nr jct Sam Turner Rd 31 Aug 89.

#### **Lotus L.**

*L. CORNICULATUS* L., bird's-foot trefoil. SPWH 2420 (Moul 77-169) Beebe Wds along Ter Heun Dr 26 Aug 77.

#### **Lupinus L.**

*L. perennis* L., lupine. SPWH 7414 (RHBP 1113) sandy barren E of Turpentine Rd ca 3/4 mi N of Rt 151 on Crane WMA 31 Aug 89; dirt part of Metoxit Rd across from tennis court 22 June 90. WATCH LIST.

#### **Medicago L.**

*M. LUPULINA* L., black medick. SPWH 8181 (Mary Hunt) WBNERR pkng lot 4 Jun 92.

*M. SATIVA* L., alfalfa. SPWH 7087 (Buckley 1079) SW of bridge to Menauhant pkng lot 10 Sep 89.

#### **Melilotus** Miller, melilots

*M. ALBUS* Medicus, white melilot. SPWH 7457 (RHBP 1028) just SE of jct Ranch Rd and Rt 151 22 Aug 89. Common on shoulders of Rt 28 in West Falmouth.

#### **Robinia L.**, locusts

*R. HISPIDA* L., rose acacia. SPWH 7781 (RHBP 1297) bikepath at Fay Rd 3 Jun 90.

*R. PSEUDOACACIA* L., black locust. SPWH 1744 (Moul 10962) F R Lillie Rd 17 Jun 60; SPWH 834 (Moul 75-172) nr Cumloden cedar swmp 30 Jul 75. INVASIVE.

*R. VISCOSA* Ventenat, clammy locust. SPWH 1746 (Fogg 545) along rr at Little Hbr 26 Jun 23.

#### **Securigera** Decaisne

*S. VARIA* (L.) Lassen, crown-vetch. SPWH 7480 (RHBP 765) MBL fld across Oyster Pd Rd from Alan Lunn's hse 12 Jul 89.

#### **Strophostyles** Elliott

*S. helvola* (L.) Elliott, wild bean. SPWH 1747 (Pennell 3403) Waquoit 2 Aug 11.

#### **Tephrosia** Persoon

*T. virginiana* (L.) Persoon, hoary pea. SPWH 1752 (Pennell 3358) Waquoit 2 Aug 11; SPWH 7478 (RHBP 818) unr pwrln 1/2 mi N of jct Rt 151 and rr into Otis airbase 21 Jul 89.

#### **Trifolium** L., clovers

*T. ARVENSE* L., rabbit-foot clover. SPWH 1780 (L. Roseman) Wds Hole 6 Jul 02; SPWH 7506 (RHBP 686) gravel pit Crane WMA 21 Jun 89.

*T. AUREUM* Pollich, yellow clover. SPWH 1784 (L. Roseman) Wds Hole 8 Jul 02; SPWH 2395 (Moul 77-160) Salt Pd Rsvn 28 Jun 77.

*T. CAMPESTRE* Schreber, low hop-clover. SPWH 1790 (L. Roseman) Wds Hole 20 Jul 02; SPWH 8168 (RHBP 1345) unr pwrln N of Rt 151 E of Ranch Rd 18 Jun 90.

*T. DUBIUM* Sibthorp, suckling-clover. SPWH 2446 (Moul 78-2) Salt Pd Rsvn 29 May 75; SPWH 7507 (RHBP 640) Salt Pnd Rsvn nr Elm Rd 6 Jun 89.

*T. HYBRIDUM* L., alsike clover. SPWH 1781 (L. Roseman) Wds Hole 8 Jul 02; SPWH 8584 (RHBP 2112) wd 244 Wds Hole Rd 27 Aug 94.

*T. PRATENSE* L., red clover. SPWH 1787 (Pennell 3025) Wds Hole 21 Jul 11; SPWH 7511 (RHBP 103) edge Quissett Hbr 12 Jul 88.

*T. REPENS* L., white clover. SPWH 1424 (Moul 76-156) F.R. Lillie Rd 5 Jun 75; SPWH 2991 (Moul 79-11) Bradley Hse 3 Jun 78.

#### **Ulex** L.

*U. EUROPAEUS* L., gorse. Fogg30.

**Vicia L., vetches**

*V. CRACCA* L., tufted vetch. SPWH 1751 (E. A. Simons) rdside Nobska 9 Jul 01; SPWH 7560 (RHBP 1400) behind the W Fal PO 1 Jul 90.

*V. GRANDIFLORA* Scopoli, large-flowered vetch. SPWH 7302 (RHBP 637) New Alchemy Institute 6 Jun 89. It appeared at that place "spontaneously" in the 1980s, perhaps as a contaminant in the seed of some cultivated plant.

*V. HIRSUTA* (L.) Gray SPWH 3287 (Moul 79-68) nr cedar swp Oyster Pd Rd 29 May 74.

*V. SATIVA* L. ssp *NIGRA* (L.) Ehrhart, spring-vetch. SPWH 7296 (RHBP 713) bikepath N of Elm Rd 26 Jun 89.

*V. TETRASPERMA* (L.) Schreber, four-seeded vetch. SPWH 7298 (RHBP 691) dry fld on Crane WMA nr Turpentine Rd 1/2 mi N of Rt 151 21 Jun 89.

*V. VILLOSA* Roth, hairy vetch. SPWH 1749 (Fogg 798) edge Oyster Pd Fal 30 Jun 24; SPWH 7295 (RHBP 755) dry wds SE of jct Rt 151 and Ranch Rd 11 Jul 89.

**Fagaceae****Castanea Miller**

*C. dentata* (Marshall) Borkhausen, chestnut. SPWH 8514 (RHBP 2276) behind Falmouth Academy 17 Jun 99.

**Fagus L**

*F. grandifolia* Ehrhart, American beech. SPWH 133 (Moul 74-133) F R Lillie Rd 2 Jun 74; SPWH 6895 (E. P. Armstrong) Oyster Pd Rd nr MBL cedar swmp 30 Jan 86.

**Quercus L., oaks**

*Q. alba* L., white oak. SPWH 1281 (Fogg 586) Gardiner Rd nr Wood Pd 23 Jun 23; SPWH 2976 (Moul 79-19) F R Lillie Rd 22 Oct 77.

*Q. coccinea* Münchhausen, scarlet oak. SPWH 985 (Moul 75-157) bikepath at Fay's Wds 23 Jul 75. COLLECT WINTER TWIGS FOLLOWED BY LEAVES FROM SAME TREE.

*Q. ilicifolia* Wangenheim, scrub-oak. SPWH 1285 (E. A. Simons) Succoneset Pt 18 Jul 01; SPWH 1632 (Moul 76-178) Hayway Rd 2 Aug 76.

*Q. palustris* Münchhausen, pin-oak. SPWH 6869 (Armstrong and Montiero) Soares land E Fal 18 Nov 84. FIND THIS TREE.

*Q. prinoides* Willdenow, dwarf chinkapin. SPWH 7389 (RHBP 249) Crane WMA 15 Aug 88.

*Q. ROBUR* L., English oak. SPWH 1287 (Fogg 2231) wds 1/2 mi E of Wds Hole 27 Jun 27 "well established"; SPWH 6927 (Buckley 803) Waquoit cemetery 31 Aug 88.

*Q. rubra* L., red oak. SPWH 437 (Moul 74-148) F R Lillie Rd 9 Sep 74; SPWH 5567 (Boretos) Oyster Pd Rd nr MBL cedar swmp 21 Oct 82.

*Q. velutina* Lamarck, black oak. SPWH 1383 (Moul 76-152) F R Lillie Rd 21 May 74; SPWH 2977 (Moul 79-20) F R Lillie Rd 22 Oct 77.

**Gentianaceae****Bartonia Muhlenberg ex Willdenow**

*B. paniculata* (Michaux) Muhlenberg. SPWH 7049 (Buckley 1004) N shr Mares Pd 14 Aug 89. ssp? HISTORICAL?

*B. virginica* (L.) Britton, Sterns and Poggenberg. SPWH 1926 (Moul SEP 3144) nr F R Lillie Rd 12 Sep 70; SPWH 9283 (D. Schall) unr pwrln BioBlitz area 26 Jun 2010.

**Sabatia Adanson**

*S. campanulata* (L.) Torrey. ENDANGERED. FIND and DOCUMENT.

*S. kennedyana* Fernald, Plymouth gentian. SPWH 6925 (Buckley 849) by Grassy Pd Ashumet Holly Rsvn Aug 88; SPWH 8556 (RHBP 2615) N end Deep Pd (Hatchville) 27 Jul 2002. SPECIAL CONCERN.

## Geraniaceae

**Geranium** L., crane's-bills

- G. carolinianum* L. SPWH 8079 (Mary Hunt) gdn wd 85 Elm Rd 9 Jun 91.  
*G. maculatum* L., wild geranium. SPWH 0019 (Pennell 3512) Wds Hole 8 Aug 11; SPWH 7483 (RHBP 648) Salt Pd Rsvn 6 Jun 89.  
*G. PUSILLUM* L. SPWH 1802 (E. A. Simons) nr Nobska Lt 9 Jul 01.  
*G. robertianum* L., herb-Robert. SPWH 7561 (RHBP 1388) wd 244 Wds Hole Rd 27 Jun 90.

## Grossulariaceae

**Ribes** L., currants and gooseberries

- R. hirtellum* Michaux. SPWH 1585 (Pennell 3399) Waquoit 2 Aug 11; (fide Sorrie) Washburn I Jul 88.  
*R. RUBRUM* L. SPWH 9030 (RHBP 2677) W edge of Ring Rd W of McLean Bldg 1 May 2007.

## Haloragaceae

**Myriophyllum** L., water-milfoils

- M. humile* (Rafinesque) Morong. SPWH 1988 in part (L. Roseman) Nobska Pd Jul 02; SPWH 3244 (Moul 79-45) Child's R pd at Carriage Shop Rd 25 Jul 78.  
*M. pinnatum* (Walter) Britton, Sterns and Poggenberg. SPWH 8159 (RHBP 462) Miles Pd 1 Sep 88.  
 SPECIAL CONCERN.  
*M. tenellum* Bigelow. SPWH 2001 (Fogg 802) freshwater pd Nobska Pt 14 Jul 24; SPWH 7998 (RHBP 286) fresh Bourne's Pd 30 Aug 88.

**Proserpinaca** L., mermaidweeds

- P. palustris* L. SPWH 2008 (Pennell 3069) Quamquisset 23 Jul 11; SPWH 7072 (Buckley 1082) edge pd S of Hamlin Pt 18 Oct 89.  
*P. pectinata* Lamarck. SPWH 2004 (K&P 3444) bog nr Coonamessett Pd 5 Aug 11; SPWH 7553 (RHBP 1572) N end Crooked Pd 31 Aug 90.

## Hamamelidaceae

**Hamamelis** L.

- H. virginiana* L., witch-hazel. SPWH 1153 (Moul 76-22) F R Lillie Rd 11 Oct 75; SPWH 6875 (E. P. Armstrong) Penzance Pt 12 Nov 85.

## Hydrangeaceae

**Hydrangea** L.

- H. PANICULATA* Siebold. SPWH 3490 (Moul 81-15) rdside thicket Cumloden Dr 18 Aug 81.

## Hypericaceae

**Hypericum** L., St. Johnsworts

- H. boreale* (Britton) Bicknell, northern St. Johnswort. SPWH 1924 (Moul 6535) floating mat edge Turtle Pd 23 Aug 49; SPWH 8032 (RHBP 1903) dry pd margin E of pwrln N of Rt 151 and E of Ranch Rd 4 Oct 91.  
 forma *callitrichoides* Fassett. SPWH 8238 (RHBP 1943) SE end Pickerel Pd 4 Jun 92.  
*H. canadense* L., narrow-leaved St. Johnswort. SPWH 1925 (L. Roseman) Wds Hole 4 Aug 02; SPWH 7761 (RHBP 812) N shr Fresh Pd 20 Jul 89.  
*H. x dissimulatum* Bicknell. SPWH 8098 (RHBP 1901) edge pd E of pwrln N of Rt 151 and E of Ranch Rd 4 Oct 91. RE-IDENTIFY.  
*H. gentianoides* (L.) Britton, Sterns and Poggenberg, pineweed. SPWH 1928 (L. Roseman) Wds Hole 3 Aug 02; SPWH 1681 (Moul 77-6) bikepath 23 Oct 76.

*H. majus* (Gray) Britton. SPWH 8033 (RHBP 1899) dry pd margin E of pwrln N of Rt 151 and E of Ranch Rd 4 Oct 91.

*H. mutilum* L., dwarf St. Johnswort. SPWH 7767 (RHBP 1536) head Moonakis R 28 Aug 90.

*H. PERFORATUM* L., common St. Johnswort. SPWH 1934 (Pennell 3023) Wds Hole 21 Jul 11; SPWH 3321 (Moul 80-10) Salt Pd Rsvn 7 Jul 76.

*H. punctatum* Lamarck, spotted St. Johnswort. SPWH 7762 (RHBP 855) unr pwrln N of Rt 151 just E of Ranch Rd 25 Jul 89.

#### **Triadenum** Rafinesque

*T. virginicum* (L.) Rafinesque, marsh-St. Johnswort. SPWH 2052 (Pennell 3088) W Fal 23 Jul 11; SPWH 5574 (C.D. Boretos) wet medo nr Long Pd 19 Oct 82.

### **Juglandaceae**

#### **Carya** Nuttall, hickories

*C. glabra* (Miller) Sweet, pignut. SPWH 1264 (K&P 3266) nr Long Pd 29 Jul 11; SPWH 9284 (PTP 391) nr center stone wall Flume Pd wds 24 Feb 2011.

*C. tomentosa* (Poiret ex Lamarck) Nuttall, mockernut. NEBC (E. F. Williams) "thin woods" 14 Jul 11; (fide Bruce Sorrie) rocky ravine Angel's Mill Pd 25 Jul 89.

#### **Juglans** L.

*J. cinerea* L., butternut. SPWH 9052 (RHBP 2696) across drive in front Fal bus station 8 Oct 2007. WATCH LIST.

### **Lamiaceae**

#### **Ajuga** L., bugleweeds

*A. GENEVENSIS* L. SPWH 7488 (RHBP 599) gdn wd at New Alchemy Institute 23 May 89.

#### **Galeopsis** L.

*G. TETRAHIT* L., hemp-nettle. SPWH 3320 (Moul 80-25) bikepath Wds Hole 26 Jul 76. CHECK.

#### **Glechoma** L.

*G. HEDERACEA* L., gill-over-the-ground. SPWH 998 (Moul 75-204) J. Loeb Rd 17 May 75; SPWH 2944 (Moul 78-50) Bradley Hse 3 Jun 78.

#### **Hedeoma** Persoon

*H. pulegioides* (L.) Persoon, American pennyroyal. S&P79.

#### **Lamium** L., dead nettles

*L. AMPLEXICAULE* L., henbit. SPWH 7492 (RHBP 577) wd at NAI 17 May 89.

*L. PURPUREUM* L., purple dead nettle. SPWH 7493 (RHBP 561) wd at NAI 9 May 89. CHECK VAR

#### **Leonurus** L.

*L. CARDIACA* L., motherwort. SPWH 2167 (L. Roseman) Nobska 14 Jul 24; SPWH 7501 (RHBP 1053) nr town well N of Fresh Pd 24 Aug 89.

#### **Lycopus** L., bugleweeds

*L. americanus* Muhlenberg ex Barton. SPWH 2173 (Pennell 3068) saltmsh Quamquisset 23 Jul 11; SPWH 7219 (RHBP 1144) W edge Gt Pd at Falpt just S of Rt 28 14 Sep 89.

*L. amplexans* Rafinesque. SPWH 2172 (K&P 3229) Mares Pd 29 Jul 11; SPWH 7215 (RHBP 459) SE edge Long Pd 19 Sep 88.

*L. uniflorus* Michaux. SPWH 3265 (Moul 79-40) edge Grassy Pd 7 Sep 76; SPWH 7217 (RHBP 1071) wet medo btwn rr track and Rt 28A just N of Curley Blvd 25 Aug 89.

*L. virginicus* L. SPWH 2174 (Pennell 3058) Wds Hole 22 Jul 11; SPWH 7218 (RHBP 1138) edge of fresh Bourne Pd 13 Sep 89.

**Marrubium L.**

*M. VULGARE* L., horehound. Fogg30.

**Mentha L., mints**

*M. ARVENSIS* L. ssp *PARIETARIAEFOLIA* (Becker) Briquet, field-mint. SPWH 7467 (RHBP 873) E side Long Pd btwn pnsla and turtle rocks 1 Aug 89.

*M. x GRACILIS* Sole (arvensis x spicata), spotted mint. SPWH 7041 (Buckley 1037) old homesite SE of jct Ranch Rd and Rt 151 30 Aug 89.

*M. x PIPERITA* L. (aquatica x spicata), peppermint. SPWH 7042 (Buckley 1033) old homesite SE of jct Ranch Rd and Rt 151 30 Aug 89.

*M. SPICATA* L., spearmint. SPWH 2992 (Moul 79-21) nr Walker St 18 Aug 77.

**Nepeta L.**

*N. CATARIA* L., catnip. SPWH 1333 (Moul 76-118) flwr bdr F R Lillie Rd 15 Jul 76.

**Origanum L.**

*O. VULGARE* L., wild marjoram. SPWH 7039 (Buckley 1041) old homesite E Ranch Rd S of Rt 151 30 Aug 89.

**Prunella L.**

*P. vulgaris* L. ssp *lanceolata* (Barton) Hultén, heal-all. SPWH 2211 (E. A. Simons) Nobska 9 Jul 01; SPWH 3263 (Moul 79-42) along pd at Childs R and Carriage Shop Rd 25 Jul 78. CHECK SSP

**Pycnanthemum Michaux, mountain-mints**

*P. muticum* (Michaux) Persoon. SPWH 7452 (RHBP 1089) on hill unr pwrln E of Ranch Rd 1/3 mi N of Rt 151 28 Aug 89.

*P. tenuifolium* Schrader. SPWH 7465 (RHBP 905) S edge "gravel pit" Crane WMA 8 Aug 89.

**Scutellaria L., skullcaps**

*S. galericulata* L., common skullcap. SPWH 2323 (Moul 77-54) Salt Pd Rsvn 14 Jul 75; SPWH 7538 (RHBP 1517) E shr Moonakis R 28 Aug 90.

*S. lateriflora* L., mad-dog skullcap. SPWH 7760 (RHBP 219) bnk Coonamessett R just above cranberry bog just S of Hatchville Rd 12 Aug 88.

**Stachys L.**

*S. hyssopifolia* Michaux. SPWH 2208 (Pennell 3263) margin Long Pd 29 Jul 11; SPWH 7091 (Buckley 1071) N shr Mares Pd 14 Aug 89. WATCH LIST.

**Teucrium L.**

*T. canadense* L., American germander. SPWH 2320 (Moul 77-61) Salt Pd Rsvn 25 Jul 75; SPWH 2392 (Moul 77-157) Salt Pd Rsvn 15 Aug 77.

**Thymus L.**

*T. PULEGIOIDES* L., lemon thyme. SPWH 2202 (H. Croasdale) golf links at Whitman Rd 2 Aug 50.

**Trichostema L.**

*T. dichotomum* L., blue curls. SPWH 2201 (Pennell 3502) rr Wds Hole 8 Aug 11; SPWH 6917 (Buckley 807) bikepath 15 Aug 88.

**Lardizabalaceae**

**Akebia Decaisne**

*A. QUINATA* (Houttuyn) Decaisne. S&P 79 rr embank Wds Hole.



## Lentibulariaceae

**Utricularia** L., bladderworts.

*U. cornuta* Michaux. SPWH 658 (Fogg 821) bog at head Long Pd 13 Jul 24; SPWH 7532 (RHBP 1568) N end Crooked Pd 31 Aug 90.

*U. geminiscapa* Benjamin. SPWH 660 (Kenoyer 2982) cedar swmp Wds Hole 17 Jul 11; SPWH (RHBP 1938) SE end Pickerel Pd 4 Jun 92. MISSING.

*U. gibba* L. SPWH 7574 (RHBP 1571) N end Crooked Pd 31 Aug 90.

*U. macrorhiza* LeConte. SPWH 656 (Pennell 3390) ditch Waquoit 2 Aug 11; SPWH 3277 (Moul 79-70) pd on Childs R at Carriage Shop Rd 2 Aug 76.

*U. minor* L. C&H85 (Map 5). WATCH LIST.

*U. purpurea* Walter, purple bladderwort. SPWH 669 (K&P 3205) bog btwn Mares and Long Pds 29 Jul 11; SPWH 7773 (RHBP 1566) N end Crooked Pd 31 Aug 90.

*U. radiata* Small. SPWH 664 (Moul 6432) Harpers Pd 8 Aug 49; SPWH 7576 (RHBP 1570) N end Crooked Pd 31 Aug 90.

*U. resupinata* Greene ex Bigelow. SPWH 8553 (PTP 139) N end Crooked Pd 26 July 2002. THREATENED.

*U. striata* Le Conte ex Torrey. Crooked Pd (Mass Nat Her Prog). THREATENED.

*U. subulata* L. C&H85 (Map 10). SPECIAL CONCERN.

## Linaceae

**Linum** L., flaxes

*L. intercursum* Bicknell. Crane WMA 1984 (Mass Nat Her Prog). SPECIAL CONCERN. FIND and DOCUMENT

*L. striatum* Walter. Fogg30. WATCH LIST. *L. virginianum* L., woodland-flax. SPWH 1794 (K&P 3218) Fal 29 Jul 11; SPWH 7096 (Buckley 1008) edge cranberry bog S of Wing Pd 15 Jul 89.

## Linderniaceae

**Lindernia** Allioni

*L. dubia* (L.) Pennell var *dubia*, false pimpernel. SPWH 1155 (Pennell 3188) Nobska Bog 26 Jul 11; SPWH 7386 (RHBP 207) edge Spectacle Pd (E of Mares Pd) 7 Aug 88.

var *anagallidea* (Michaux) Cooperrider. SPWH 8037 (RHBP 1889) E shr Long Pd 30 Sep 91.

## Lythraceae

**Decodon** Gmelin

*D. verticillatus* (L.) Elliott, swamp-loosestrife. SPWH 1964 (K&P 3284) margin Grews Pd 29 Jul 11; SPWH 8052 (RHBP 1783) Moonakis R 6 Aug 91.

**Lythrum** L.

*L. SALICARIA* L., purple loosestrife. SPWH 1965 (Fogg 1065) edge Salt Pd 5 Jul 25; SPWH 6462 (C.D. Boretos) pkgng lot at Trunk R 2 Aug 83. INVASIVE.

## Malvaceae

**Abutilon** Miller

*A. THEOPHRASTI* Medicus, Indian mallow. SPWH 8188 (Mary Hunt) gdn wd 85 Elm Rd Aug 92.

**Hibiscus** L.

*H. moscheutos* L., marsh rose-mallow. SPWH 3133 (Moul 63-148) edge msh Surf Dr 30 Aug 63; SPWH

1685 (Moul 77-3) Salt Pd Rsvn 6 Oct 76. Generally pink, but the white-with-red-center variant was seen near the rr track in Gt Sippewisset Msh on 3 Sep 89. Abundant on the west side of Chara Pnd at Trunk River, where it was coming into bloom ca 10 Aug in 1988. Many plants here were destroyed or partly so by Hurricane Bob in August 1991 but now thriving again.

**Malva L.**, mallows

*M. ALCEA* L. SPWH 1915 (Fogg 1062) nr Nobska Pt 4 Jul 25.

*M. MOSCHATA* L., musk-mallow. SPWH 1916 (Pennell 2866) Wds Hole 8 Jul 11; SPWH 738 (Moul 75-79) bikepath at Elm Rd 30 Jun 75.

*M. NEGLECTA* Wallroth, cheeses. SPWH 7034 (Buckley 1050) rr track N Fal Aug 89.

**Tilia L.**, basswoods or lindens

*T. americana* L., basswood. SPWH 7512 (RHBP 41) Salt Pd Rsvn 28 May 88. CHECK VAR

**Melastomataceae**

**Rhexia L.**, meadow-beauties

*R. virginica* L. SPWH 1966 (K&P 3248) bog btwn Long and Mares Pds 29 Jul 11; SPWH 7383 (RHBP 176) SE shr of Long Pd 5 Aug 88.

**Menyanthaceae**

**Menyanthes L.**

*M. trifoliata* L., buckbean. Fogg30.

**Nymphoides Hill**

*N. cordata* (Elliott) Fernald, floating heart. SPWH 2124 (L. Roseman) Nobska Jul 02; SPWH 7729 (RHBP 1579) SW shr Wing's Pd 5 Sep 90.

**Molluginaceae**

**Mollugo L.**

*M. VERTICILLATA* L., carpetweed. NEBC (C. F. Batchelder 663) Wild Hbr 23 Aug 06; SPWH 7101 (Buckley 1032) S shr Ashumet Pd 15 Aug 89.

**Myricaceae**

**Comptonia L'Héritier ex Aiton**

*C. peregrina* (L.) Coulter, sweet fern. SPWH 1266 (Kenoyer 2925) Fal 12 Jul 11; SPWH 6882 (E. P. Armstrong) nr Cumloden swmp 12 Jun 85.

**Morella Loureiro**

*M. pensylvanica* (Mirbel) Kartesz, bayberry. SPWH 1270 (Pennell 3021) thicket above Eel Pd 20 Jul 11; SPWH 8171 (RHBP 1684) Washburn I 24 May 91.

**Myrica L.**

*M. gale* L., sweet gale. SPWH 734 (Moul 75-85) edge cranberry bog at Coonamessett R and John Parker Rd 17 Jun 75; SPWH 1367 (Moul 76-144) bikepath at Oyster Pd 28 Aug 76.

## Myrsinaceae

**Anagallis L.**

*A. ARVENSIS* L., pimpernel. SPWH 2106 (E. A. Simons) Wds Hole 9 Jul 01. (No locality given, but see *Pyrola elliptica* for another plant collected by Simons in Wds Hole on the same day.). SPWH 8203 (RHBP 1955) along bikepath at head Little Hbr 1 Jul 92.

**Lysimachia L., loosestrifes**

*L. borealis* (Rafinesque) Manns and Anderberg, starflower. SPWH 2110 (Pennell 2899) Wds Hole 9 Jul 11; SPWH 6454 (C.D. Boretos) wds nr 7 Snapper Ln 30 May 83.

*L. quadrifolia* L., whorled loosestrife. SPWH 2103 (Pennell 3354) nr Oyster Pd 1 Aug 11; SPWH 3462 (Moul 80-50) F R Lillie Rd 17 Jun 80.

*L. terrestris* (L.) Britton, Sterns and Poggenberg, swamp-candles. SPWH 2114 (Francis Drouet 1641) nr Ganset Bch 22 Jul 34; SPWH 2398 (Moul 77-163) Salt Pd Rsvn nr Mill Rd 30 Jun 77.

*L. VULGARIS* L., garden-loosestrife. SPWH 7519 (RHBP 217) edge gutter btwn Pickerel and Coonamessett Pds 8 Aug 88.

## Oleaceae

**Chionanthus L.**

*C. VIRGINICUS* L., fringe-tree. SPWH 9256 (RHBP 2701) pitch pine - oak wdland N of N Fal Cemetery 14 Jun 2010.

**Fraxinus L., ashes**

*F. americana* L., white ash. Fogg30.

**Ligustrum L., privets**

*L. OVALIFOLIUM* Hasskarl. Probably occurs in Falmouth.

*L. VULGARE* L., European privet. SPWH 1115 (Moul 76-10) nr WHOI lab Oyster Pd Rd 24 Oct 75.

## Onagraceae

**Chamerion L.**

*C. angustifolium* (L.) Holub ssp *circumvagum* (Mosquin) Kartesz, fireweed. SPWH 1971 (K&P 3209) Fal 29 Jul 11; SPWH 1970 Moul 6456 nr Twin Pds 9 Aug 49. "There is so much burned woodland in Falmouth" says Lewis (1896), that *E. angustifolium* is "very prominent"; now rare.

**Circaea L., enchanter's nightshades**

*C. canadensis* (L.) Hill. SPWH 7462 (RHBP 946) unr N rr overpass on Palmer Ave 10 Aug 89.

**Epilobium L., willow-herbs**

*E. ciliatum* Rafinesque var *ciliatum*, northern willow-herb. SPWH 8050 (RHBP 1809) wd 244 Wds Hole Rd 5 Sep 91.

*E. coloratum* Biehler, redleaved willow-herb. SPWH 1971 (K&P 3251) Long Pd 29 Jul 11; SPWH 7450 (RHBP 1129) N end Coonamessett Pd 31 Aug 89.

*E. HIRSUTUM* L., hairy willow-herb. S&P79 W Fal. LIKELY INVASIVE.

*E. palustre* L., marsh willow-herb. Fogg30.

*E. strictum* Muhlenberg ex Sprengel, downy willow-herb. S&P79 W Fal.

**Ludwigia L., false loosestrifes**

*L. palustris* (L.) Elliott, water-purslane. SPWH 1975 (K&P 3429) E Fal 5 Aug 11; SPWH 7051 (Buckley 1006) cranberry bog E of E Fal PO and N of Rt 28 20 Aug 89.

**Oenothera L., evening-primroses**

*O. biennis* L. common evening-primrose. SPWH 616 (Moul 75-19) Salt Pd Rsvn 30 Aug 74; SPWH 9002 (RHBP 787) nr "gravel pit" Crane WMA 18 Jul 89.

*O. parviflora* L., small evening-primrose. SPWH 1984 (L. Roseman) Penzance Jul 02; SPWH 3290 (Moul 79-65) Carriage Shop Rd 2 Aug 76.

*O. perennis* L. SPWH 1983 (E. A. Simons) "few" bog Nobska Pd 9 Jul 01.

## Orobanchaceae

### **Agalinis** Rafinesque

*A. acuta* Pennell. NEBC (C. F. Batchelder 3412) "dry cranberry medo" Wild Hbr 26 Aug 06; SPWH 7580 (Buckley 3000) Waquoit 4 Sep 90. **FEDERALLY ENDANGERED.**

*A. maritima* (Rafinesque) Rafinesque. SPWH 2240 (K&P 3472) saltmsh N Fal 5 Aug 11; SPWH 8623 (RHBP 350) Gt Sippewissett Msh bhd Black Bch 8 Sep 88.

*A. paupercula* (Gray) Britton var *paupercula*. SPWH 2244 (Fogg 817) Weeks Pd 4 Sep 24; SPWH 3453 (Moul 80-69) path to Moors Bch off Elm Rd 2 Sep 80.

*A. purpurea* (L.) Pennell. SPWH 2242 (K&P 3450) edge northern Deep Pd 5 Aug 11; SPWH 8621 (RHBP 461) by SE edge Long Pd 19 Sep 88.

*A. tenuifolia* (Vahl) Rafinesque. NEBC (Fernald 19087) dry fld by Shiverick's Pd 5 Oct 19.

### **Aureolaria** Rafinesque

*A. pedicularia* (L.) Rafinesque, feverweed. SPWH 2239 (Fogg 1081) rdside E Fal 2 Aug 25; SPWH 8617 (RHBP 2102) bikepath nr S unrpas to Fay Rd 24 Aug 94.

*A. virginica* (L.) Pennell, downy false foxglove. SPWH 2238 (Pennell 2951) dry wds 15 Jul 11; SPWH 757 (Moul 75-131) oak-hickory wds Quissett Campus 22 Jul 75.

### **Epifagus** Nuttall

*E. virginiana* (L.) Barton, beechdrops. SPWH 2223 (Moul 10982) F R Lillie Rd 3 Aug 1960; SPWH 7090 (Buckley 1062) wds N of Wds Hole golf course 28 Sep 89.

### **Euphrasia** L.

*E. STRICTA* Wolff ex Lehmann, eyebright. SPWH 7471 (RHBP 831) pkng lot on Crane WMA just N of Rt 151 just W of Turpentine Valley 24 Jul 89.

### **Melampyrum** L.

*M. lineare* Desrousseaux, cow-wheat. SPWH 3309 (Moul 80-14) oak-hickory wds F R Lillie Rd 1 Jul 76; SPWH 8157 (RHBP 269) edge wds nr Coonamessett R cranberry bog nr John Parker Rd 13 Jul 88. In 1988, this species was in bloom from about 25 May to about 1 October.

### **Pedicularis** L.

*P. canadensis* L., lousewort. SPWH 467 (Moul 74-174) open spaces in wds F R Lillie Rd 6 May 74.

### **Rhinanthus** L.

*R. MINOR* L., yellow rattle. SPWH 8205 (RHBP 1983) fld N of Falmouth Jewish Congregation complex 17 Jul 92.

## Oxalidaceae

### **Oxalis** L., wood sorrels

*O. dillenii* Jacquin. SPWH 1796 (K&P 3270) edge Long Pd 29 Jul 11; SPWH 1354 (Moul 76-129) bikepath nr Elm Rd 24 Jun 76. ssp?

*O. stricta* L. SPWH 8169 (RHBP 1390) wd 244 Wds Hole Rd 27 Jun 90.

## Papaveraceae

### **Chelidonium** L.

*C. MAJUS* L., celandine. SPWH 1556 (L. Roseman) Wds Hole 21 Jul 02; SPWH 7551 (RHBP 1384) wd 244 Wds Hole Rd 27 Jun 90.

**Fumaria L.**

*F. OFFICINALIS* L., fumitory. SPWH 721 (Moul 75-74) bikepath at Elm Rd 30 Jun 75; SPWH 8201 (RHBP 1947) head of Little Hbr 19 Jun 92.

**Glaucium Miller**

*G. FLAVUM* Crantz, horned poppy. SPWH 3035 (Moul 66-179, picture) Juniper Pt 24 Aug 66; SPWH 6461 (Boretos) Trunk R 2 Aug 83.

**Paulowniaceae****Paulownia Siebold and Zuccarini**

*P. TOMENTOSA* (Thunberg) Siebold and Zuccarini ex Steudel, princess-tree. SPWH 1172 (Moul 10980) Pin Oak Way 10 Jul 60, "Came up wild". SPWH 9094 (RHBP 2700) edge Bell Cottage pkng lot Quisset Campus 20 Nov 2007. There are a few large, planted trees in Falmouth; although some were known to make germinable seed, no seedlings were noted until about 2002.

**Phytolaccaceae****Phytolacca L.**

*P. americana* L., pokeweed. NEBC (C. F. Batchelder 682) "dry roadside" 14 Aug 06; SPWH 3495 (Moul 81-8) trail to Moors Bch 2 Aug 81.

**Plantaginaceae****Callitriche L., water-starworts**

*C. heterophylla* Pursh. SPWH 1818 (E. T. Rose and Frances Drouet) "Episcopal Ocean" (Siders Pd) 4 Jul 36; SPWH 8068 (RHBP 1581) Crocker Pd 30 Sep 90.

*C. palustris* L. Fogg30.

*C. STAGNALIS* Scopoli. SPWH 1819 (Pennell 3381) flowing wtr Waquoit 2 Aug 11; SPWH 7061 (Buckley 1051) Childs R N of Cross Rd Aug 89.

**Chelone L., turtleheads**

*C. glabra* L. SPWH 7546 (RHBP 1529) E shr upper Moonakis R 28 Aug 90.

**Cymbalaria Hill**

*C. MURALIS* Gaertner, Meyer and Scherbius, Kenilworth ivy. SPWH 6958 (Buckley 828) bikepath Wds Hole Aug 88.

**Digitalis L.**

*D. PURPUREA* L., foxglove. Fogg30.

**Gratiola L.**

*G. aurea* Pursh, golden pert. SPWH 2215 (Pennell 2975) pd margin Quamquisset 15 Jul 11; SPWH 7384 (RHBP 180) SE side Long Pd 5 Aug 88.

**Linaria Miller**

*L. VULGARIS* Miller, butter-and-eggs. SPWH 1164 (L. Roseman) Penzance Jul 02; SPWH 8048 (RHBP 1812) nr Coonamesett R bog at John Parker Rd 10 Sep 91.

**Nuttallanthus Sutton**

*N. canadensis* (L.) Sutton, blue toadflax. SPWH 1161 (Moul 1378) Trout Pd (9 mi NE of Wds Hole) 8 Jul 45; SPWH 6450 (C.D. Boretos) NE of Green Pd Bridge 14 Jun 83.

**Penstemon Schmidel, beard-tongues**

*P. DIGITALIS* Nuttall ex Sims. SPWH 9045 (PTP 0199) CraneWMAS first fld N pkng lot Hayway Rd 19 Jun 2007.

*P. TUBIFLORUS* Nuttall. S&P79 Wds Hole.

**Plantago** L., plantains

*P. ARISTATA* Michaux, buckhorn. SPWH 2225 (Fogg 823) Gansett Wds 18 Jul 24; SPWH 7472 (RHBP 825) pkng lot Crane WMA just N of Rt 151 just W of Turpentine Valley 23 Jul 89.

*P. LANCEOLATA* L., rib-grass. SPWH 2229 (Pennell 3027) Wds Hole 21 Jul 11; SPWH 7540 (RHBP 1274) along Carey Ln 21 May 90.

*P. MAJOR* L., white-man's foot. SPWH 2234 (Pennell 3401) Waquoit 2 Aug 11.

*P. maritima* L. var *juncoides* (Lamarck) Gray, seaside-plantain. SPWH 2237 (Pennell 2969) saltmsh Quamquisset 15 Jul 11; SPWH 7078 (Buckley 1073) SW of bridge to Menauhant Bch pkng lot 15 Sep 89.

*P. rugelii* Decaisne. SPWH 754 (Moul 75-134) Miles Pd 30 Jul 75; SPWH 8057 (RHBP 1768) 244 Wds Hole Rd 31 Jul 91.

**Veronica** L., speedwells

*V. ARVENSIS* L., corn speedwell. SPWH 7766 (RHBP 1389) gdn wd 244 Wds Hole Rd 27 Jun 90.

*V. CHAMAEDRYS* L., bird's eye. SPWH 991 (Moul 75-147) flwr bdr F R Lillie Rd 21 May 75; SPWH 7788 (RHBP 26) gdn wd 244 Wds Hole Rd 24 May 88.

*V. OFFICINALIS* L., gypsyweed. SPWH 7500 (RHBP 1122) burn SE of jct Ranch Rd and Rt 151 31 Aug 89; SPWH 8982 (RHBP 2658) edge wds behind WH Res Ctr Jun 2005.

*V. POLITA* Fries. SPWH 7765 (RHBP 1276) gdn wd 244 Wds Hole Rd 22 May 90.

**Platanaceae**

**Platanus** L.

*P. occidentalis* L., sycamore. SPWH 3312 (Moul 80-11) Salt Pd Rsvn 7 Jul 76.

**Plumbaginaceae**

**Limonium** Miller

*L. carolinianum* (Walter) Britton, sea-lavender. SPWH 2118 (Moul 3176) Penzance Pt 9 Jul 47; SPWH 7392 (RHBP 360) Gt Sippewisset Msh by Black Bch 8 Sep 88.

**Polygalaceae**

**Polygala** L., milkworts

*P. cruciata* L. var *aquilonia* Fernald and Schubert. SPWH 1807 (E. A. Simons) "enclosed bog N. of laboratory" 22 Jul 01; SPWH 7226 (RHBP 318) wet medo E of pnsla on SE edge Long Pd 2 Sep 88.

*P. nuttallii* Torrey and Gray. SPWH 1805 (Pennell 3360) Waquoit 2 Aug 11; SPWH 7230 (RHBP 893) path just N of and paralleling Rt 151 just W of Turpentine Valley 5 Aug 89. WATCH LIST.

*P. polygama* Walter. SPWH 7227 (RHBP 712) bikepath N of Elm Rd 26 Jun 89.

*P. verticillata* L. SPWH 988 (Moul 75-151) Ashumet Holly Rsvn nr Ashumet Pd 5 Oct 75; SPWH 7228 (RHBP 830) pkng lot on Crane WMA off Rt 151 just W of Turpentine Valley 24 Jul 89. WATCH LIST.

**Polygonaceae**

**Fagopyrum** Miller

*F. ESCULENTUM* Moench, buckwheat. SPWH 7679 (Buckley 3190) wd NAI 30 Sep 90.

**Fallopia** Adanson

*F. CONVULVULUS* (L.) Löve, black bindweed. NEBC (C. F. Batchelder) Wild Hbr 23 Aug 06; SPWH 1462 (Pennell 3155) street nr Nobska Pt 25 Jul 11.

*F. DUMETORUM* (L.) Holub. SPWH 1307 (K&P 3256) Long Pd 29 Jul 11. CHECK ID.

*F. JAPONICA* (Houttuyn) De Craene var *JAPONICA*, Japanese knotweed. SPWH 170 (Moul 74-109) School St 7 Aug 74; SPWH 6856 (E. P. Armstrong) Little Gansett Bch 15 Sep 85. INVASIVE.

*F. scandens* (L.) Holub, climbing false-buckwheat. SPWH 1484 (Fogg 2429) Gunning Pt 9 Aug 27; SPWH

3454 (Moul 80-70) path to Moors Bch off Elm Rd 2 Sep 80.

### **Persicaria L.**

- P. amphibia* (L.) S. F. Gray, water smartweed. SPWH 8200 (RHBP 1942) S end Pickerel Pd 4 Jun 92.
- P. careyi* (Olney) Greene, Carey's smartweed. SPWH 7401 (RHBP 402) small maple swmp SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.
- P. HYDROPIPER* (L.) Opiz, common smartweed. SPWH 7402 (RHBP 403) small maple swmp SE of jct Rt 28 and Thos Landers Rd 14 Sep 88.
- P. hydropiperoides* (Michaux) Small, mild water-pepper. NEBC (J. R. Churchill) W Fal 26 Aug 1894; SPWH 2414 (Moul 77-170) gravelly area Chara Pd 19 Sep 75.
- P. lapathifolia* (L.) S. F. Gray, drooping smartweed. SPWH 7390 (RHBP 321) gravel pit Gifford St just N of town forest 2 Sep 88.
- P. LONGISETA* (Bruijn) Kitigawa. SPWH 647 (Moul 75-44) F R Lillie Rd 23 Sep 74; SPWH 7025 (Buckley 1081) N end bikepath 24 Oct 89.
- P. MACULOSA* S. F. Gray, lady's thumb. NEBC (C. F. Batchelder) Wild Hbr 1 Sep 06; SPWH 7477 (RHBP 994) along rr track N of Wing Rd 18 Aug 89.
- P. pensylvanica* (L.) Maza, pinkweed. NEBC (J. R. Churchill) N Fal 26 Aug 1894; SPWH 1669 (Moul 77-30) Carriage Shop Rd Waquoit 3 Aug 76.
- P. PERFOLIATA* (L.) Gross, mile-a-minute vine. SPWH 9019 (PTP 0193) Wild Hbr Rd 9 Nov 2006.
- P. punctata* (Elliott) Small, water-smartweed. NEBC (Fernald and Weatherby 16746) Quissett Hbr 20 Sep 18; SPWH 2978 (Moul 79-5) path from Elm Rd to bch 29 Aug 77.
- P. puritanorum* (Fernald) Sojak, pond-shore smartweed. SPWH 7304 (RHBP 509) N end Coonamessett Pd 28 Sep 88. SPECIAL CONCERN.
- P. sagittata* (L.) Gross, arrow-leaved tearthumb. NEBC (C. F. Batchelder) Wild Hbr 12 Aug 06; SPWH 2343 (Moul 77-47) Salt Pd Rsvn 1 Sep 76.

### **Polygonum L.**

- P. articulatum* L., jointweed. SPWH 142 (Moul 66-113) cobble bch nr Chara Pd 11 Aug 66; SPWH 7408 (RHBP 492) nr Coonamessett R cranberry bog N of John Parker Rd 23 Sep 88.
- P. AVICULARE* L., doorweed. SPWH 1305 (L. Roseman) Wds Hole 1 Aug 02; SPWH 8058 (RHBP 1762) 244 Wds Hole Rd 31 Jul 91.
- P. glaucum* Nuttall, sea-beach knotweed. NEBC (W. G. Farlow) "Wood's Holl" Aug 1877; SPWH 8635 (PTP 175) at wrack line among cobbles by WHOI Shore Lab 30 Nov 2004. SPECIAL CONCERN.
- P. ramosissimum* Michaux, bushy knotweed. NEBC (W. G. Farlow) "Wood's Holl" 30 Aug 1876; ssp *prolificum* (Small) Costea & Tardif. SPWH 2983 (Moul 79-16) bch Trunk R 30 Aug 77.

### **Rumex L., docks**

- R. ACETOSELLA* L. ssp *PYRENAICUS* (Pourret ex Lapeyrouse) Akeroyd, sheep sorrel. SPWH 460 (Moul 74-173) F R Lillie Rd 22 May 74; SPWH 7374 (RHBP 32) Crane WMA 30 May 88.
- R. britannica* L., water-dock. SPWH 3304 (Moul 80-18) Gunning Pt Rd 16 Jun 76; SPWH 7691 (Buckley 3118) W edge Grew's Pd 1 Aug 90.
- R. CRISPUS* L., curly dock. NEBC (J. A. Cushman 244) "edge of brackish swale near beach" Quissett Hbr 13 Aug 06; SPWH 7720 (RHBP 769) N side Quissett Hbr entr 13 Jul 89.
- R. OBTUSIFOLIUS* L., bitter dock. SPWH 1302 (Pennell 3419) Wds Hole 4 Aug 11; SPWH 8173 (RHBP 1757) Salt Pd Rsvn 31 Jul 91.
- R. PATIENTIA* L., patience. SPWH 1300 (Pennell 3400) Waquoit 2 Aug 11.

### **Portulacaceae**

#### **Portulaca L.**

- P. OLERACEA* L., purslane. SPWH 2945 (Moul 78-49) Haynes Rd 19 Jun 78.

## Ranunculaceae

**Actaea** L., baneberries

*A. pachypoda* Elliott, dolls' eyes. SPWH 7413 (RHBP 701) bouldery slope W of Angel's Mill Pd 23 Jun 89.

**Anemone** L., anemones

*A. quinquefolia* L., wood-anemone. SPWH 997 (Moul 75-205) Salt Pd Rsvn 11 May 75; SPWH 1338 (Moul 76-108) Salt Pd Rsvn nr Mill Rd 13 May 76.

*A. virginiana* L., thimbleweed. SPWH 1503 (Pennell 2947) Fal 15 Jul 11; SPWH 7103 (E. P. Armstrong) Washburn I in "butterfly weed field" 23 Aug 89.

**Aquilegia** L., columbines

*A. canadensis* L., wild columbine. NEBC (Fernald and Weatherby 16813) "dry wooded bluffs near Quisset Harbor" 20 Sep 18; Washburn I Jul 88 (fide Sorrie); by tennis court on dirt part of Metoxit Rd 22 June 90.

*A. VULGARIS* L., European columbine. (fide Mario DiGregorio) Crane WMA.

**Clematis** L.

*C. TERNIFLORA* de Candolle, yam-leaved clematis. SPWH 1504 (Lewin) "by Drew" Wds Hole 7 Sep 49; SPWH 1062 (Moul 75-246) bnk along pkng lot nr Church St bridge 9 Oct 75.

**Coptis** Salisbury

*C. trifolia* (L.) Salisbury, goldthread. Fogg30. OCCURS IN BRISTOL, NANTUCKET, and PLYMOUTH COUNTIES.

**Ranunculus** L., buttercups

*R. abortivus* L., kidney-leaved buttercup. (fide Bruce Sorrie) rocky ravine Angel's Mill Pd 25 Jul 89. COLLECT THIS HERE.

*R. ACRIS* L., tall buttercup. SPWH 1505 (Pennell 3024) Wds Hole 21 Jul 11; SPWH 1350 (Moul 76-126) John Parker Rd 5 Jun 76.

*R. BULBOSUS* L., bulbed buttercup. SPWH 771 (Moul 75-144) Oyster Pd Rd 19 May 75; SPWH 3328 (Moul 80-2) Oyster Pd Rd 13 May 77. In Falmouth, the commonest buttercup.

*R. cymbalaria* Pursh, seaside-crowfoot. S&P79. LOOK FOR ON MOONAKIS and ELSEWHERE.

*R. FICARIA* L., lesser celandine. SPWH 8515 (RHBP 2599) gdn wd 244 Wds Hole Rd 5 Apr 2000; SPWH 9251 (PTP 0329) Wds Hole end of bike path 25 Mar 2010. INVASIVE.

*R. flabellaris* Rafinesque, yellow water-crowfoot. Fogg30. Pickerel Pnd?

*R. REPENS* L., creeping buttercup. SPWH 1518 (K&P 3422) E Fal 5 Aug 11; SPWH 8191 (Mary Hunt) nr pd on Salt Pd Rsvn 15 Jun 92. LIKELY INVASIVE.

**Thalictrum** L., meadow rues

*T. pubescens* Pursh, tall meadow-rue. SPWH 7448 (RHBP 1151) W side of Coonamessett R arm of Great Pd just S of Rt 28 at Falpt 14 Sep 89.

*T. revolutum* de Candolle, purple meadow-rue. SPWH 1516 (Pennell 2890) Wds Hole 9 Jul 11; SPWH 1515 (Fogg 1052) along "west shore road" N of Quissett Hbr 5 Jul 25.

## Rhamnaceae

**Frangula** L.

*F. ALNUS* Miller., glossy alder-buckthorn. SPWH 8183 (Mary Hunt) Childs R S of Carriage Shop Rd 6 Sep 92.

## Rosaceae

**Agrimonia** L.

*A. gryposepala* Wallroth. SPWH 1707 (L. Roseman) Wds Hole Jul 02.



**Amelanchier** Medicus, shadbushes

*A. canadensis* (L.) Medicus, shadbush. SPWH 3427 (Moul 80-58) Salt Pd Rsvn 11 May 75.

*A. laevis* Wiegand, smooth shadbush. SPWH 1708 (Fogg 1743) Nobska Pt 28 Jun 26; SPWH 5576 (Moul 82-13) F R Lillie Rd 18 Oct 82.

*A. nantucketensis* Bicknell, Nantucket shadbush. SPWH 9026 (PTP 0196) moist soil at edge of wds nr path across recently brush-mowed glacial valley Quail Area South Crane WMA 13 May 2007. WATCH LIST.

*A. spicata* (Lamarck) Koch, running shadbush. SPWH 8614 (RHBP 2146) dry fld W side Turpentine Rd 1/2 mi N of Rt 151 17 Jul 96.

**Argentina** Hill

*A. egedii* (Wormskiold) Rydberg ssp *groenlandica* (Trattvetter) Löve, silverweed. SPWH 1720 (Pennell 3094) edge of saltmsh W Fal 23 Jul 11; SPWH 1379 (Moul 76-106) Salt Pd Rsvn 13 May 76.

**Aronia** Medicus, chokeberries

*A. arbutifolia* (L.) Elliott, red chokeberry. SPWH 3428 (Moul 80-59) F R Lillie Rd 25 May 75; SPWH 5566 (Moul 82-7) F R Lillie Rd 19 Oct 82.

*A. x floribunda* (Lindley) Spach, purple chokeberry. SPWH 634 (Moul 75-26) F R Lillie Rd 22 May 74; SPWH 1433 (Moul 76-162) bikepath nr Fay Rd 28 Sep 76.

*A. melanocarpa* (Michaux) Elliott, black chokeberry. SPWH 8160 (RHBP 470) nr rr W of W Fal PO 21 Sep 88.

**Cotoneaster** Medicus

*C. DIVARICATUS* Rehder and Wilson ex Sargent. SPWH 7705 (Buckley 3258) Washburn I 4 Oct 90.

**Crataegus** L., hawthorns

*C. CRUS-GALLI* L. S&P79.

*C. MONOGYNA* Jacquin, English hawthorn. SPWH 7550 (RHBP 1318) Washburn I in fld with butterflyweed 8 Jun 90.

**Fragaria** L., strawberries

*F. virginiana* Duchesne, wild strawberry. SPWH 1711 (Pennell 3505) Wds Hole 8 Aug 11; SPWH 7368 (RHBP 16) nr BIOSPECS 24 May 88.

**Geum** L., avens

*G. canadense* Jacquin, white avens. SPWH 1713 (Fogg 531) Harpers Pd 10 Sep 23; SPWH 2376 (Moul 77-124) Bradley Hse 9 Jul 77.

*G. laciniatum* Murray, herb-Bennet. SPWH 719 (Moul 75-87) edge of Coonamessett R bogs John Parker Rd 7 Jun 75.

*G. virginianum* L. S&P79 Wds Hole. WATCH LIST.

**Malus** Miller

*M. PUMILA* Miller, apple. SPWH 9087 (RHBP 2664) hd Quissett Hbr 23 May 2006.

**Potentilla** L., cinquefoils

*P. ARGENTEA* L., silvery cinquefoil. SPWH 7502 (RHBP 1029) "gravel pit" Crane WMA 22 Aug 89.

*P. canadensis* L., early cinquefoil. SPWH 1725 (Pennell 3336) Wds Hole 31 Jul 11; SPWH 7373 (RHBP 27) Quissett Campus wds 24 May 88.

*P. norvegica* L., three-leaved cinquefoil. SPWH 1722 (K&P 3273) edge Long Pd 29 Jul 11; SPWH 7059 (Buckley 1040) shr of Mares Pd 19 Aug 89.

*P. RECTA* L. SPWH 1724 (Fogg 534) Wds Hole 26 Jun 23; SPWH 2396 (Moul 77-161) Salt Pd Rsvn 28 June 77.

*P. simplex* Michaux, old-field cinquefoil. SPWH 7508 (RHBP 588) Crane WMA dry fld W of Turpentine Rd 1/2 mi N of Rt 151 24 May 89.

**Prunus L.**, plums, peaches, and cherries

*P. AVIUM* (L.) L., sweet cherry. S&P79.

*P. maritima* Marshall, beach-plum. SPWH 1727 (Pennell 3104) Wds Hole 24 Jul 11; SPWH 8208 (RHBP 2014) dry fld W of Moonakis R 13 Sep 92.

*P. serotina* Ehrhart, black cherry. SPWH 0023 (Fogg 1742) Eel Pd Wds Hole 26 Jun 26; SPWH 1134 (Moul 76-43) Salt Pd Rsvn 19 Aug 75.

*P. susquehanae* Willdenow, sand-cherry. SPWH 7469 (RHBP 854) unr pwrln N of Rt 151 E of Ranch Rd 25 Jul 89.

**Rhodotypos** Siebold and Zuccarini

*R. SCANDENS* (Thunberg) Makino, jetbead. SPWH 9254 (PTP 0343) wdland N of Friend's Way, nr stone foundation 14 May 2010.

**Rosa L.**, roses

*R. carolina* L., pasture-rose. SPWH 1591 (L. Roseman) Wds Hole 6 Jul 02; SPWH 8179 (RHBP 1414) SE shr Washburn I 7 Jul 90.

*R. LUCIAE* Franchet and Rochebrune ex Crépin, memorial rose. SPWH 8207 (RHBP 1997) Nobska Pt 23 Jul 92.

*R. MULTIFLORA* Thunberg ex Murray, multiflora rose. SPWH 569 (Moul 74-203) Salt Pd Rsvn 7 Oct 74; SPWH 8061 (RHBP 1752) Salt Pd Rsvn 31 Jul 91. INVASIVE.

*R. palustris* Marshall, swamp-rose. SPWH 1590 (Pennell 3198) edge of Eel Pd Wds Hole 27 Jul 11; SPWH 8180 (RHBP 1787) edge Moonakis R 6 Aug 91.

*R. RUGOSA* Thunberg, beach-rose. SPWH 3189 (Schwamb and Kourtz) Gt Hbr Aug 65; SPWH 8064 (RHBP 1745) bikepath nr Elm Rd 31 Jul 91.

*R. virginiana* Miller, Virginia rose. SPWH 1595 (Fogg 536) Wds Hole 8 Jul 23; SPWH 8178 (RHBP 714) bikepath 26 Jun 89.

**Rubus L.**, brambles

*R. allegheniensis* Porter, blackberry. SPWH 1597 (Drouet 3182) Fay Wds 12 Jul 36; SPWH 9305 (RHBP 1999) N end Coonamessett Pnd 28 Aug 92.

*R. argutus* Link, serrate blackberry. S&P79.

*R. BIFRONS* Vest ex Trattinick. SPWH 7566 (RHBP 1258) nr Moors Clubhse 13 Oct 89.

*R. flagellaris* Willdenow, dewberry. SPWH 1698 (Pennell 3000) Wds Hole 20 Jul 11; SPWH 8627 (RHBP 1981) old fld NW of jet Hatchville Rd and Sandwich Rd 17 Jul 92.

*R. hispidus* L., swamp-dewberry. SPWH 749 (Moul 75-113) Quissett Campus wds 9 Jul 75; SPWH 8624 (RHBP 1962) SW jet Sandwich Rd and Rt 151 2 Jul 92.

*R. idaeus* L. ssp *strigosus* (Michaux) Focke, red raspberry.

*R. occidentalis* L., black raspberry. SPWH 1695 (Pennell 3026) Wds Hole 21 Jul 11; SPWH 8059 (RHBP 1761) wd 244 Wds Hole Rd 31 Jul 91.

*R. pensilvanicus* Poiré, blackberry. SPWH 1598 (Fogg 2545) nr Mill Pd Wds Hole 13 Aug 27; SPWH 1382 (Moul 76-154) F R Lillie Rd 7 Jun 75.

*R. PHOENICOLASIUS* Maximowicz, wineberry. SPWH 7375 (RHBP 63) nr BIOSPECS 3 Jul 88.

**Sanguisorba L.**

*S. MINOR* Scopoli, burnet. SPWH 7489 (RHBP 594) gravel pit NW of Nickelodeon Theatre Crane WMA 24 May 89.

**Sibbaldiopsis** Rydberg

*S. tridentata* (Aiton) Rydberg, three-toothed cinquefoil. (fide Sorrie).

**Spiraea L.**

*S. alba* Duroi var *latifolia* (Aiton) Dippel, meadowsweet. SPWH 1702 (L. Roseman) Nobska 20 Jul 02; SPWH 7381 (RHBP 150) N end of Coonamessett Pd 3 Aug 88.

*S. tomentosa* L., hardhack. SPWH 1705 (Moul 6489) Flax Pd Wds Hole 15 Aug 49; SPWH 1662 (Moul 77-31) along Childs R at Carriage Shop Rd 2 Aug 76.

## Rubiaceae

**Cephalanthus L.**

*C. occidentalis* L., buttonbush. SPWH 225 (K&P 3282) edge Grew's Pd 29 Jul 11; SPWH 7382 (RHBP 157) N end Coonamessett Pd 3 Aug 88.

**Diodia L.**

*D. TERES* Walter, poor-joe. Bourne.

**Galium L.**, bedstraws

*G. aparine* L., cleavers. SPWH 3438 (Moul 80-36) old fld Quissett Campus 26 May 75; SPWH 7236 (RHBP 630) edge of brackish msh Moonakis R 3 Jun 89.

*G. circaezans* Michaux, wild licorice. Bouldery slope above Angel's Mill Pd 29 Jul 89 (fide Bruce Sorrie).

*G. MOLLUGO* L. S&P79 W Fal.

*G. obtusum* Bigelow, marsh-bedstraw. SPWH 2794 (Moul 78-24) edge Salt Pd 3 Jul 75; SPWH 8199 (RHBP 1420) SE part Washburn I 7 Jul 90.

*G. pilosum* Aiton, hairy bedstraw. SPWH 7240 (RHBP 1040) Washburn I opp Bayside Dr 23 Aug 89.

*G. tinctorium* (L.) Scopoli var *tinctorium*. SPWH 2260 (Pennell 2878) saltmsh Wds Hole 9 Jul 11; SPWH 7238 (RHBP 811) N shr Fresh Pd 20 Jul 89.

*G. trifidum* L. SPWH 2261 (Fogg 2427) edge brackish swmp Gunning Pt 9 Aug 27; SPWH 7555 (RHBP 1526) upper Moonakis R 28 Aug 90.

*G. triflorum* Michaux, sweet-scented bedstraw. SPWH 2265 (Fogg 2410) sandy thicket Gunning Pt 9 Aug 27; SPWH 7237 (RHBP 641) central path Salt Pd Rsvn 6 Jun 89.

*G. VERUM* L. ssp *VERUM*, yellow bedstraw. SPWH 1657 (Moul 77-18) edge Salt Pd Surf Dr 12 Jul 76.

**Houstonia L.**

*H. caerulea* L., bluets. SPWH 7541 (RHBP 1270) W side Coonamessett R arm Gt Pd at Falpt along trail just S of waterside hall 3 May 90.

## Salicaceae

**Populus L.**, poplars, aspens, cottonwoods

*P. ALBA* L., white poplar. SPWH 8186 (Mary Hunt) Fay Rd 30 Oct 92; SPWH 8583 (RHBP 2096) bikepath btwn unrpases to Fay Rd 24 Aug 94.

*P. grandidentata* Michaux, large-toothed aspen. SPWH 1259 (K&P 3463) N Fal 5 Aug 11; SPWH 7564 (RHBP 1305) Washburn I 8 Jun 90.

*P. tremuloides* Michaux, quaking aspen. SPWH 1261 (K&P 3289) Fal 29 Jul 11; SPWH 8221 (RHBP 2050) nr bikepath N of Elm Rd 5 Oct 92.

**Salix L.**, willows

*S. bebbiana* Sargent, long-beaked willow. SPWH 9295 (RHBP 1702) Moonakis R just below Rt 28 29 May 91.

*S. CINEREA* L. ssp *CINEREA*, gray willow. SPWH 9282 (PTP 0213) wdland edge betw old fld at 55 Old Homestead Rd and rr right of way 41.583°N 70.636°W 29 Aug 2007.

ssp *OLEIFOLIA* (Small) Macreight, rusty willow (RHBP 1416) Washburn I 7 Jul 90.

*S. humilis* Marshall, small pussy-willow. SPWH 1256 (E. A. Simons) heaths Fal 29 Jul 01; SPWH 9286 (RHBP 1416) Washburn I 7 Jul 90.

*S. occidentalis* Walter, dwarf prairie willow. SPWH 7470 (RHBP 845) Turpentine Valley S of Rt 151 25 Jul 89.

*S. PENTANDRA* L., bay-leaved willow. SPWH 1252 (Fogg 525) Lillie place Gardiner Rd 27 Jun 23; SPWH 1254 (Fogg 774) Gardiner Rd 25 Jun 24.

*S. sericea* Marshall, silky willow. SPWH 9296 (RHBP 1978) nr buildings of Falmouth Jewish Congregation jct Sandwich and Hatchville Rds 17 Jul 92.

## Santalaceae

**Comandra** Nuttall

*C. umbellata* (L.) Nuttall, bastard toad-flax. SPWH 7490 (RHBP 591) edge of Turpentine Rd 600 yds N of Rt 151 on Crane WMA 24 May 89.

## Sapindaceae

**Acer** L., maples

*A. PLATANOIDES* L., Norway maple. COLLECT WINTER TWIGS FOLLOWED BY LEAVES and FRUIT FROM SAME TREE.

*A. PSEUDOPLATANUS* L., sycamore-maple. SPWH 9050 (RHBP 2685) 244 Wds Hole Rd 1 Oct 2207.

*A. rubrum* L., red maple. SPWH 135 (Moul 74-132) Oyster Pd Rd 2 Jun 74; SPWH 6561 (E. P. Armstrong) Cumloden swmp 20 Sep 84.

## Scrophulariaceae

**Buddleja** L.

*B. DAVIDII* Franchet, butterfly-bush. SPWH 7996 (RHBP 541) Salt Pd Rsvn 18 Oct 88.

**Limosella** L.

*L. australis* Brown, mudwort. SPWH 1158 (Pennell 3353) saltmsh Oyster Pd 1 Aug 11; SPWH 8215 (RHBP 2070) NW (polluted) edge Ashumet Pd 29 Oct 92.

**Scrophularia** L., figworts

*S. lanceolata* Pursh. SPWH 1174 (Fogg 820) Quissett Ave dump 5 Jul 24; SPWH 1173 (Fogg 1080) Quissett Ave 5 Jul 25.

*S. NODOSA* L. S&P79 Wds Hole.

**Verbascum** L.

*V. BLATTARIA* L., moth-mullein. S&P79 Waquoit.

*V. THAPSUS* L., mullein. SPWH 1176 (Pennell 3342) rr Wds Hole 1 Aug 11; SPWH 8062 (RHBP 1749) Salt Pd Rsvn 31 Jul 91.

## Simaroubaceae

**Ailanthus** Desfontaines

*A. ALTISSIMA* (Miller) Swingle, tree-of-heaven. SPWH 8054 (RHBP 1773) wd 244 Wds Hole Rd 31 Jul 91. INVASIVE.

## Solanaceae

**Datura** L., jimson-weeds

*D. STRAMONIUM* L., jimson-weed. SPWH 9051 (RHBP 2683) wd 244 Wds Hole Rd 1 Oct 2007.

**Solanum** L., nightshades

*S. CAROLINENSE* L., horse-nettle. SPWH 2198 (Moul 10987) W of Wds Hole Rd N of Quissett 18 Aug 60; SPWH 8187 (Mary Hunt) wd in shrubbery Academy Lane 7 Oct 92.

*S. DULCAMARA* L., climbing nightshade. SPWH 2195 (Pennell 3157) Wds Hole 26 Jul 11; SPWH 3318 (Moul 80-26) bikepath 17 Aug 76.

*S. NIGRUM* L., black nightshade. SPWH 8056 (RHBP 1770) wd 244 Wds Hole Rd 31 Jul 91.

## Theophrastaceae

**Samolus** L.

*S. valerandi* L. ssp *parviflorus* (Rafinesque) Hultén, water pimpernel. SPWH 7456 (RHBP 1045) brackish msh W bnk Moonakis R 24 Aug 89.

## Ulmaceae

**Ulmus** L.

*U. AMERICANA* L., American elm. SPWH 9056 (RHBP 2697) se crnr jct Quisset Ave and Quisset Hbr Rd 8 Oct 2007.

*U. GLABRA* Hudson, Wych elm. SPWH 1294 (Fogg 1796) by rr 1/4 mi E of Wds Hole 3 Aug 26.

*U. PUMILA* L., dwarf elm. SPWH 1641 (Moul 76-171) bnk above Little Hbr 31 May 75.

## Urticaceae

**Boehmeria** Jacquin

*B. cylindrica* (L.) Swartz, false nettle. SPWH 1293 (L. Roseman) Fay's Wds Jul 02; SPWH 7697 (Buckley 3254) bnk Quashnet R 17 Jul 90.

**Pilea** Lindley

*P. pumila* (L.) Gray, richweed. SPWH 8152 (RHBP 1541) Moonakis R 28 Aug 90.

**Urtica** L., nettles

*U. dioica* L. ssp *dioica* stinging nettle. SPWH 1292 (Croasdale) Fay's Wds 26 Jun 35;

spp *gracilis* (Aiton) Selander SPWH 7405 (RHBP 437) nr Blake Bldg 18 Sep 88.

## Verbenaceae

**Verbena** L., vervains

*V. hastata* L., blue vervain. SPWH 2152 (Pennell 3393) Waquoit 2 Aug 11; SPWH 2339 (Moul 75-117) edge Salt Pd 26 Jul 77.

*V. STRICTA* Ventenat, hoary vervain. SPWH 7461 (RHBP 954) rr track btwn Palmer Ave and depot 10 Aug 89.

*V. urticifolia* L., white vervain. SPWH 8225 (RHBP 1975) edge Hatchville Rd nr Hunky Dory Farm 17 Jul 92.

## Violaceae

**Viola** L., violets

*V. ARVENSIS* Murray, wild pansy. SPWH 750 (Moul 75-126) on gravel nr Chara Pd 25 Aug 74.

*V. cucullata* Aiton. SPWH 8080 (Mary Hunt) E shr Moonakis R 29 May 91.

*V. lanceolata* L., lance-leaved violet. SPWH 6918 (Buckley 804) cranberry bog bordering Wing Pd 10 Sep 88.

*V. ODORATA* L., sweet white violet. Lawn wd 244 Wds Hole Rd 7 Apr 88.

*V. pallens* (Banks ex de Candolle) Brainerd, sweet white violet. SPWH 1962 (Pennell 3384) Waquoit 2 Aug 11; SPWH 6965 (Buckley 840) along strm entering Dam Pd 10 Aug 88.

*V. pedata* L., bird's-foot violet. SPWH 1960 (K&P 3300) Fal 29 Jul 11; SPWH 7064 (Buckley 1030) lawn at Waquoit Bay NERR 16 Aug 89.

*V. primulifolia* L., primrose violet. SPWH 1963 (Pennell 3373) Waquoit 2 Aug 11.

*V. sagittata* Aiton var *ovata* (Nuttall) Torrey and Gray, arrow-leaved violet. SPWH 3255 (Moul 79-61) F R Lillie Rd 8 April 75.

*V. sororia* Willdenow, meadow blue violet. SPWH 1961 (K&P 3298) Fal 29 Jul 11.

## Vitaceae

**Ampelopsis** Michaux

*A. HETEROPHYLLA* (Thunberg) Siebold and Zuccarini var *BREVIPEDUNCULATA* Li, porcelain-berry. SPWH 7572 (RHBP 1606) 244 Wds Hole Rd 17 Sep 90. LIKELY INVASIVE.

**Parthenocissus** Planchon

*P. quinquefolia* (L.) Planchon, Virginia creeper. SPWH 1913 (Pennell 3022) nr Eel Pd 20 Jul 11; SPWH 984 (Moul 75-158) bikepath in Fay's Wds 23 Jul 75.

*P. TRICUSPIDATA* (Siebold and Zuccarini) Planchon, Boston ivy. SPWH 8217 (RHBP 2057) along Ransom Rd nr SE end 27 Oct 92.

**Vitis** L., grapes

*V. aestivalis* Michaux ssp *aestivalis*, summer-grape. SPWH 8143 (RHBP 194) S end Long Pd 4 Aug 88.

*V. labrusca* L., fox-grape. SPWH 1914 (Pennell 3077) W Fal 23 Jul 11; SPWH 1638 (Moul 76-176) F R Lillie Rd 29 Sep 76.

## Literature Cited

Cullina, M.D., B. Connolly, B. Sorrie, P. Somers. 2011. The Vascular Plants of Massachusetts: A County Checklist. Mass. Div. Fish. Wildl. Westborough, MA. 270 pp.

Fogg30 = Fogg, J.M.JR 1930. The flora of the Elizabeth Islands, Massachusetts. *Rhodora* 32: 1-132, 147-161, 167-180, 208-221, 226-258, 263-281.

HKS70 = Svenson, H.K. 1970. Western Cape Cod: Plant notes. *Rhodora* 72: 1-16.

HKS70A = Svenson, H.K. 1970a. A linden (*Tilia*) forest on Cape Cod (with extended notes on *Tilia neglecta*, *Bromus pubescens*, and *Ribes hirtellum*). *Rhodora* 72: 339-350.

Lewis, F.T. 1896. Botanic Falmouth. In Falmouth-by-the-Sea, the Naples of America. Board of Trade and Industry, Falmouth, Mass., pp. 19-21.

S&P79 = Svenson, H.K. and R.W. Pyle 1979. The flora of Cape Cod. viii + 139 pp. Cape Cod Museum of Natural History, Brewster, Mass.

Sey69 = Seymour, F.C. 1969. The flora of New England. Charles E. Tuttle Co., Rutland, Vermont, xvi + 596.

Sorrie87= Sorrie, Bruce A. 1987. Rare native plants of Massachusetts. Massachusetts Natural Heritage Program, Boston, 13 pp (unpublished manuscript).

Sorrie88= Sorrie, Bruce A. 1988. "Watch list", uncommon or rare Massachusetts plants. Massachusetts Natural Heritage Program, Boston, 11 pp (unpublished manuscript).